A RICAN
ACEAE

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Book

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COSTA RICAN

AGARICACEAE

by

Carroll W. Dodge

1929-1936

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RARE BOOK

Laccaria
Collybia

Pileus depressed broadly umbonate, edges upturned, deeply striate over gills, up to 6 cm diam, hygrophanous, light pinkish cinnamon toSayal brown; gills distant, thick, adnate, broad, concolor stipe 9 cm x 6 mm, fibrillose, concolor

Costa Rica: Puntarenas, Osa Cerro Guaca 60-85 m Dodge 7646

Laccaria
Leptonia

Pileus convex with small umbo becoming flat or even depressed 15-18 mm, striate sulcate, light pinkish cinnamon; gills pale cinnamon pink, distant, ventricose, sinuate adnate; stipe slender, hollow cartilaginous 2 cm x 1 mm light buff, darkening slightly where handled

Decaying log in deep jungle

Specimens examined:

Costa Rica: Heredia, CerroCentral de Zurqui 1620 m, Dodge, Valerio & Thomas 6133

Laccaria

Pileus expanded 8 cm deeply umbilicate, pinkish buff, striate sulcate to diac, margin uprolled, crenate; gills broad, distant, adnate, Etruscan red; stipe fibrous fleshy 10 cm x 1 cm above, taperi ing downward

on earth under fallen log in darkjungle.

Specimen was old and insect eaten when collected.

~~Rancho Redondo 1/1 13 seems to belong here margin splitting pinkish cinnamon margins dark hard brown, substriate 2 cm~~

Specimens examined:

Costa Rica: Heredia, Cerro,Central de Zurqui, 1620 m, Dodge, Valerio and Thomas 6134

Laccaria nearest striatula

Pileus 1.5-3.~~7~~ cm., umbilicate, margin crisped, striate, lacerate dark livid brown to livid brown and pinkish cinnamon; gills deep livid brown to white pruinose, desurrent, thick, distant; stipe irregularly flattened, cartilaginous, fleshy, 4 cm.# 5 mm. anthracene purple livid brown cinnamon drab finally fawn or wood brown

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2300m., Dodge & Thomas 5153

Laccaria
young

Pileus convex to hemispheric, 9mm. diam, 4.5mm. tall, surface slightly tomentose, hazel

Gills short, decurrent, pinkish vinaceous, subdistant

Stipe 2cm. 2-4mm., tapering upward, fleshy, somewhat floccose, tomentose, light russet vinaceous

Mossy roadside at foot of tree in potrero

Costa Rica, San José prov., Guayabillos 8-16-36

Dodge & Goerger

Laccaria

Pileus salmon buff, 1 cm., smooth, shining, umbilicate, convex

Gills concolorous, adnate to subdecurrent, distant, broad

Stipe concolorous, tapering downward, 2.5cm. x 2-1mm., slightly pruinose above

In forest

Costa Rica, Heredia prov., Sto Domingo del Roble 8-7-36

Dodge & Goerger

Lacc[illegible]i

Pileus 3cm., [illegible]mpanded to nearly flat, lightly to [illegible]tore, [illegible] trinate, buff pink to rinaceous tawny

Gills onionskin pink, adnate with slight decurrent tooth, distant, broad

Stipe 2cm x 3mm. or less, tapering [illegible]ward, onionskin pink, fibrous

Costa Rica, San José Prov., Rancho Redondo, 2150m. 7-13-36

Dodge & Goerger

Laccaria

Pileus 4 cm, somewhat irregularly expanded, silky fibrous slightly striate, fawn with army brown margins; gills broad, distant, adnexed to adnate, thick, pale ochraceous salmon; stipe fragile, cartilaginous, 2 cm x 2.5 mm, silky, white becoming darker where handled.

Specimens examined

Costa Rica: San Jose, Rancho Redondo, Dodge & Thomas 5364

? Laccaria

Pileus expanded, 2.3 cm., very hygrophanous, cinnamon, margin bister, deeply lacerate, dark purple-drab; gills distant, ventricose, sinuate with decurrent tooth; stipe 4.5cm# 2 mm. diam. wood-brown,

Among mosses in potrero.

Specimens examined :

Costa Rica, San Jose, Rancho Redondo, Alt.2300m., Dodge & Thomas 5155

Laccaria ?

Pileus flat, depressed, margin crisped entire, 1.5 mm. diameter, hygrophanous, deep brownish-drab; gills adnate to subdecurrent, distant, ventricose, deep brownish-drab; stipe cinnamon-drab, slender, fibrous, pruinose above, 3 cm. # 2.5 mm.

Dead log in potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2340m., Dodge & Thomas 5154

Laccaria

Pileus light ochraceous-buff; gills flesh color.

Mossy bank.

Specimens examined:

Costa Rica, San JOse, Rancho Redondo, Alt.2200, Dodge & Thomas

5152

Laccaria

Young or small specimens.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m., Dodge & Thomas 5156

Laccaria

Pileus convex to depressed, up to 3 cm. diam.; stipe 4 cm.

Bank by roadside.

Specimens examined:

Costa Rica, San José Rancho Redondo, Alt. 2300m., Dodge & Thomas 5151

Lactarius

Pileus 14cm., expanded, nearly flat, umbilicate; surface viscid when moist, Dresden brown or irregularly lighter, spotted especially on disc; margin smooth, thin; flesh moderately thick (1cm.), thinning gradually; milk watery, becoming testaceous, finally blackening

Gills white, staining testaceous & finally black, ventricose, adnexed, moderately close

Stipe 7cm. x 2.5cm. in diameter, white, fibrous, staining brownish where handled carefully, solid.

In edge of forest along quebrada

Costa Rica, San José prov, Cuyabillos, 3300m. 7-10-36

Dodge & Goerger

P. ostreius

Pileus hemispheric, 1.5cm., partly expanded, fibrillose, [illegible] t scale, very sepia or darker; flesh thick on disc, then abruptly thin, whitish from first cut, browning slightly on exposure

Gills white, crowded, very narro.

Stipe 7.5cm. x 5-7mm. below center, [illegible] by larvae, flesh not browning as fast as pileus, surface fibrillose, striate, very sepia or lighter

On earth on bank above quebrada

Costa Rica, San José prov., Cerro Pillos, 2300m. 7-7-36

Dodge & Goerger

Pileus convex, 2.5cm., margin involute, minutely [illegible], very moist; milky juice not evident but flesh slowly turns buff yellow, thin except on disc; cinn. or wood brown

Gills very narrow, close, slightly yellowish, decurrent

Stipe 4cm. x 0.5cm., white, pruinose, staining vine orange where handled

Forest

Costa Rica, Heredia prov., Sto. Domingo del Roble 5-7-38

Dodge & Goerger

Lactarius

Pileus very watery, flat, slightly depressed, margin striate, 15 mm diam. cinnamon fufous shadingto light ochraceous buff, flesh thin, ochraceous buff; gills close, broad, ochraceous buff, adnate or slightly decurrent; stem large below, ochraceous buff above to cinnamon rufous, fleshy,smooth, dull 25 x 3 mm

Under fallen tree in dark jungle

Specimens examined:

Costa Rica: Heredia, Cerro Central de Zurqui 1620 m, Dodge, Valerio & Thomas 6129

Lactarius

Pileus convex-expanded up to 2 cm diam, slightly hygrophanous velvety, mummy brown to buckthorn brown; flesh thick,buckthorn brown with tawny spots after cutting, very watery, edges thin, inrolled gills very narrow, close thick, mustard yellow to citron yellow subdecurrent; stipe concolor with pileus up to 2 cm x 3 mm above, 5 mm below, lowerhalf imbedded in soil which clings tenaciously as a pseudovolva.on

On steep loess banks of roadside

Specimens examined

Costa Rica: San Jose, Rancho Redondo 2300 m, Dodge & Thomas 4993

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Cos

Lepiota

Pileus 3 cm, fibrillose, gibbous on disc, rimose, margin lacerate disc buffybrown or darker, margin and flesh white; gills narrow, white, crowded ~~k~~ free; stipe slender white 4 cm x 2 mm

Costa Rica: Limon, Waldeck 40 m, Dodge 7327

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Lepiota

Pileus thin, white, disc dark mouse gray, fibrillose scaley, scales becomingless frequent toward striate margine (habit of Amanitopisi); gills free, distant from stipe, close narrow, white; stipe white silky fibrillose tapering upward 6 cm x 2.5-4 mm; ring erect (7307)

Costa Rica Limon, jungle opposite Cadiz, 30 m, Dodge 7307

Pileus conic with large cylindric umbo 3 mm tall, striate to umbo, 2.5 cm, white ~~xxxxx~~ umbo light drab; gills free white, croded ventricose; stipe ~~x~~ shinging white 6 cm x 3 mm, cespitose; ring erect prominent.

Decayingleaves in forest

Costa Rica: Limon Waldeck, 40 m, Dodge 7329

Puntarenas: Osa, Estero Sandalo 5-20m Dodge 7681, 7738 near R Terrones Dodge 7741

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Lepiota

Pileus tomentose, dark livid brown, 2 cm, margin fimbriate; gills ventricose, free crowded white; stipe fragile, shinging white 4 cm x 3 mm; ring thin fragile, subevanescent

Costa Rica: Limon, Waldeck 40 m, Dodge 7265

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Lepiota

Pileus 2.5 cm, fibrillose tomentose, carnelian red to vinaceous rufous, flesh thin, white; gills free badly eaten, white; stipe fragile silky white 5.5 cm x 2 mm, ring erect

Costa Rica:Limon, Waldeck 40 m, Dodge 7262

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Lepiota near abruptibulba

Pileus up to 7.5 cm, disc saccardo's umber to sepia shading to cartridge buff at margin, scales innate, short, pyramidal with broad bases, rest of surface fibrillose with pellicle somewhat separable; gills light pinkish buff free, vent icose, crowded; stipe more than 5 cm x 1 cm, white aboe narrow collapsed ringbelow fibrillose umber insect eatenand broken off

In potrero

Costa Rica:Limon, Waldeck 45 m Nevermann (in Farlow Herb. 7275

Lepiota abruptibulba or near

Pileus broadlyconic, 8 cm splitting radially, granulose scaly warm sepia, margin smooth, lagerate; gills close, medium, fr-e white stipe tapering upward of same scaly texture and color as pileus ending abruptly in large flat bulb; annulus persistent, erect, darker stipe 9 cm x 7-15 mm bulb 23 mm diam x 1 cm tall.

In much decayed bagasse behind trapiche

Specimens examined

Costa Rica: Guanacaste, ~~Quebrada~~ H. Granadilla above Libano 480m on bank of R. San Jose Dodge & Thomas 6628

Hygrophorus

Pileus 3.5 cm diam, Begonia rose, minutely fibrillose, margin irregularly lacerate; flesh thin, gills broad, subdistant, hermosa pink, free or nearly so; stipe fragile, subcartilaginous, white a above, coral pink shading to fleshochre below, 5 cm x 5 mm with a fusiformbase 7 mm in diameter

Leaf mould at foot of tree at edge of jungle

Specimens examined:

Heredia: Cerro Central de Zurqui, m., Bertha W. Dodge 60022

Lepiota

Pileus expanded up to 8 cm, floccose pyramidal sfales, margin slightly striate, Saccardo's unber tolight brownish olive; margin slightly appendiculate; gills g free, broad, close, ochraceous buff; stipe fleshy 12 cm x 10-6 mm tapering downward, free from pileus, fibrillose scaly below ring, honey yellow; ring wide, pendent 1 cm

Virgin forest near laguna

Costa Rica: Limon, MonteVerde Dodge 7190

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Lepiota near tepeitensis

Pileus 3 cm, white, scales thick to almost pyramidal, disc mummy brown, rest white with a row of large triangular scales extending beyond margin, stipe also cottony scaly below ring, which is composed of these scales which collapse and isappear, white; gills free, broad close, white, stipe 7 cm x 2-3 mm onion skin pink underscales; no bulb.

Castilla specimen smaller 1.5 convex subconic disc sepia splitting along bacus of gills stipe cartilaginous 2 cm x 1 mm

Limon Castilla Dodge + Goerger fig 25

Costa Rica: Puntarenas, Osa, R. Sandalo 50 m Dodge 7692

Lepiota

Pileus 1 cm, expanded, umbonate citron yellow, disc antimony yellow, fibrillose, not striate, flesh thin; gills free, close narrow citron yellow, ring erect 1.7 cm below apex; stipe 2.7 cm x 1 mm or less, cartilaginous

Costa Rica: Puntarenas, Osa, Puerto Jimenez Dodge 7709

Length [illegible] 3 cm.

Pilei [illegible], [illegible], [illegible], [illegible] on white [illegible] margin [illegible] [illegible] [illegible]

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Rugosospora pseudorubiginosa (Lloyd & Guzm.) Guz. & Bandala
det. Ma. Franco-Molano Jul. 20/92

Lepiot

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Lentinus [illegible]

Pileus [illegible], 2.2cm; disc English red, breaking up to scales on white ground

Gills close, broad, white, free

Stipe 2cm. x 2mm.; ring halfway, erect, English red at edge; stipe white, silky, staining slightly reddish below ring

Costa Rica, Puntarenas Prov., Osa, R. Sándalo, 1-[illegible]. 8-[illegible]

Dolf Lenger

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red [illegible]; [illegible]
thin, white
Gills [illegible], [illegible], crowded, white
Stipe hollow, [illegible], [illegible], [illegible], [illegible], [illegible],
endi[illegible] 1-1.5cm, [illegible], [illegible], [illegible],
cottony [illegible]; [illegible] 5cm, [illegible]
of [illegible] but not [illegible]

Under [illegible] hoop, [illegible]

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Lepiota near testacea and subgranulosa

Rugosospo[illegible]

Pileus 3 cm, fibrillose rimose, areolate except on disc which is hazel, shading to cinnamon rufous margin slightly striate lacerate gills free, close, ventricose, white; stipe 6 cm x 3 mm, pruinose a above ring, silky fibrillose below, pinkish buff, ring, narrow erect concolorous.

Costa Rica: Puntarenas, Osa, Puerto Jimenez Dodge 7704 [illegible] 25

7724

April 25

Lepiota or n gen.

Pileus white, disc with fuscous fibrils(remains of veil), and margin substriate; gills free, remote, subdistant narrow;stipe cartilaginous,slender, ending in bulb,shining white,ring narrow,2/3 way up stem.

Dead leaves in jungle.

Specimens examined:

Costa Rica, Limon,Rose Hill above Rio Pacuare, Alt.100m.,Catt, Dodge, & Thomas 5505.

Leptonia murina in Key
cf. cinchonensis.

Pileus 25 cm., disc avellaneous, shading to tilleul buff, expanded, very slight to broad umbo; gills pink, adnexed or adnate, close, medium width; stipe hollow, cartilaginous, 5 cm. # 2 mm. white, becoming light brown where bruised.

Dead leaves on ground on edge of cacao plantation.

Specimens examined:

Costa Rica, Limon, Siquirres South Farm, above Rio Siquirres, Alt. 70-200 m, Catt, Dodge, & Thomas.

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Leptonia near atrosquamosa.

Pileus expanded, 2.5 cm. umbo broad,margin striate to umbo, fawn color to avellaneous; gills narrow, adnate close concolor;stipe cartilaginous, shining white, 7 cm. # 3 mm.,pileus smooth.

On dead wood.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt.140-240m.,Catt, Dodge & Thomas 5546

Puntarenas Osa Rio Sandalo 5-20m Dodge 7658

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5 cm

Cos

Leptonia near mexicana

Nolanea

Pileus fragile, broadly campanulate, margin thin, somewhat lacerate, vinaceous-buff to avellaneous; gills narrow, crowded, adnate, concolorous; stipe fragile, cartilaginous, white, silky, 5 cm # 2 mm., hollow.

Pileus up to 1.5 cm.

Dead log.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, ~~Alt.~~ 120-200 m., Catt, Dodge & Thomas 5559

Puntarenas Osa Estero Sandalo 30 m Dodge 7743

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Limacella

Pileus broadly umbonate, plane, disc clay color, margin pinkish buff or lighter, viscid; stipe viscid below ring, shining white fragile, 7 cm x 4 mm; gills free crowded, ventricose white; ring small erect.

Costa Rica: Limon, Waldeck 40 m, Dodge 7326

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Locellina? ? gen.

Pileus 1.5cm., white with tawny scales, convex.
Gills free edged tawny, light buff to [illegible] buff, crowded.
Stipe white above, shading to tawny below, 3 cm. 2-1.5 mm., tough, no trace of ring, texture similar to pileus, slight bulb below with suggestion of cottony volva.

Costa Rica, Limon prov., Castillo Farm, 201. 7-28-36

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Cost

Marasmius

Pileus about 12 mm. expanded, disc with dark-brown, pyramidal warts or spines, disc sayal brown, shading to light pinkish-cinnamon, drying lighter; gills adnexed, pinkish-cinnamon, narrow, crowded, edges white above, shading to cameo brown & chocolate.

Leaf mould in jungle.

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, Catt, Dodge, & Thomas 5517

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Cos

Mycena sp.

Pileus 7 mm.,hemispherical, minutely velvety,disc clove-brown, shading to brown; gills thick, adnexed, subdistant broad; stip stipe white with buffy brown dots, 7 mm # 1 mm.,cartilaginous.

Dead twigs of fallen tree top.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 300 m.,Catt, Dodge, & Thomas 5561.

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Mycena near argillaceus.

Pileus flat to depressed, 1.5 cm.,margin thin, striate, light-pinkish-cinnamon, slightly darker on disc; gills adnexed, ventricose, concolor, subdistant; stipe slender,about 1 cm.,cinnamon to darker below, tapering downward.

On dead sticks.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt.200-240m., Catt, Dodge, & Thomas 5537

Mycena cinchonensis
carbonicola

Pileus campanulate sometimes expanded, flesh membranous, surface moist to viscid, brussels brown or lighter;
gills ventricose, distant, white, adnate sometimes with a slight decurrent tooth; stipe slender, even, cartilaginous, hollow, ~~wh~~ white above, shading to Brussels brown below

Costa Rica: Cartago Colibanco 1980 m on south slope of Turrialba volcano, Dodge &Dodge 4656

Mycena

Pileus 3 cm, depressed with prominent buffy brown umbo shading to whitish and slightly darkened margin hygrophanous gills adnate or very slightly decurrent, ventricose, distant white stipe fragile, hollow, cartilaginous, buffy brown where handled shining, silky Plants cespitose

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2300-2400m Dodge & Thomas 5126

Mycena

Pileu

Pileus expanded campanulate, margin striate, 14 mm, olive brown, disc buffy brown; gills white thick, subdistant, narrow; stipe slender 4 cm x 2 mm smooth silky, drab

No agrees well except stipe 2cm x 1mm almost marasmioid pileus more expanded

Specimens examined:

Costa Rica: SanJose, Rancho Redondo 2300m, ~~Mxxxxx~~ Dodge & Thomas 5113

Puntarenas, Osa, Rio Sandalo 5-20m Dodge

Mycena

Pileus fibrillose, rimose striate, 14 mm, Sayal brown

gills distant, broad, adnate, white

stipe hollow, slender 3.5 cm tapering upward from fusiform bulb 4 mm to 1.7 mm.

Dodge + Goerger July 7, agrees except stipe white equal 8 cm long 3 mm in diameter pileus conic umbonate margin undulungis drying but probably straightened first.

Specimens examined

Costa Rica: San Jose, Rancho Redondo, Dodge & Thomas 5112 Dodge + Goerger?

Mycena

pileus conic, 2 cm, fuscous, fibrillose sulcate, slightly umbonate, flesh white, thin except under gills free, white ventricose crowded; stipe cartilaginous, solid, white within, fibrillose sulcate, white or pale gray without, 3 cm x 2.5 mm

On decaying log,

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Dodge &Thomas 5018

Mycena

Pileus conic expanded, 3 cm, fibrillose striate, not rimose, Sepia brown, gills thick white subdistant, much interveined stipe concolorus with the pileus below, white above, hollow, fragile cartilaginous, 40 x 2 mm; spores white

Specimens examined

Costa Rica:San Jose, Rancho Redondo, Dodge & Thomas 5127

Mycena

Pileus campanulate, disc flat, madder brown, shading to Pompeian red, surface rimose, except on disc; gills narrow, crowded, white, edges thick, white, pruinose; stipe white, cartilaginous, hollow, 25 # 2.5 mm. shining.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2100m., Dodge & Thomas 5346

Mycena

Pileus convex, acute umbonate, viscid? tomentose? dark brown; gills free, ventricose, subdistant, light buff; stipe pruinose reddish, 10 # 1 mm.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2100m., Dodge & Thomas 5341

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Mycena

Pileus about 1 cm. diam., umbo small, cinnamon-brown, rest Naples yellow, fibrillose, tomentose, not striate, expanded; gills adnate, close, broad, cream color; stipe 2 cm. # 1 mm., Naples yellow, silky, fibrillose, cartilaginous.

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, Catt, Dodge & Thomas 5590

Mycena pruinous?

Pileus conic, campanulate, wholly white, floccose, farinose, pruinose, margin faintly striate; gills narrow, subdistant, white; stipe white, floccose, farinose, 5 cm. # 1 mm.

Fallen tree top on twigs.

Specimens examined:

Costa Rica, Limon, Rio Siquirres, Alt. 300m., Catt, Dodge & Thomas 5591

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Mycena

Pileus hemispherical up to 4 cm, white or tilleul buff, smooth, margin inrolled, striate, sulcate, context verythin; gills distant, sinuate or free, medium white; stipe pellucid, white 4 x ⅔ mm equal smooth

On small very rotten palm

Costa Rica: Limon, Los Negritos 20m, Dodge 7226

Mycena ?

Pileus ovate, 3 mm diam, tawny to russet, striate, sulcate margin subdentate incurved slightly; gills filling space between membranous flesh and stipe, white to slightly ochraceous buff, subdistant; stipe slender 23 mm x 1 mm smooth concolor

Dodge + Goerger short decurrent

same locality agrees with above but stipe 15 mm X 0.6 mm. gills definitely

CostaRica: SanJose, Rancho Redondo 2230 m Dodge& Thomas 5106
Guayabillos, 2240 m Dodge + Goerger (July 6).

Mycena
Marasmius

Pileus convex, 3 cm, sulcate striate, silky avellaneous; gills distant, broad, adnexed, white; stipe fragile, white becoming avellaneous where handled, 4 cm x 1.5 mm

Mossy log

Specimens examined:

Costa Rica: San Jose, Rancho Redondo ~~2399x2350~~ Dodge & Thomas 5361

Mycena
Marasmius

Pileus hemispheric fibrous, subsulcate, 2.2 cm, flesh thin, wood brown streaked with clove brown; gills broad, adnexed, thick white; stipe hollow taperingupward, white pruinose silky, browner where handled 6 cm x 3-5 mm

Decaying log

Specimens examined:

Costa Rica, Rancho Redondo 2250-2500 m, Dodge & Thomas 5379

Mycena

Pileus viscid, hemispheric, cinnamon buff shading to pale pinkish buff margins which are somewhat irregularly cristpe; flesh thin, gills distant, salmon buff, adnate; stem slender hollow, white silky

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2260 m, Dodge & Thomas 5090

Mycena

Pileus conic campanulate, margin outrolled, 5 cm, wood brown slightly darker on disc; gills distant, broad, white, rather thick interveined, free; stipe fragile cartilaginous, hollow, white above ~~cartilaginous hollow, white above,~~ violaceous below ending in a long, orange colored rhizomorph 5.5 cm x 2.5 mm above 4 mm below, rhizomorph 1.5 mm diam.

Specimens examined

Costa Rica: San Jose, Rancho Redondo, Dodge & Thomas 5375

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Cos

Mycena near pubescens

Pileus hemispherical, 8 mm broadly umbonate, Prout's brown on disc, shading toochraceous tawny, velvety pubescent, not striate but gills showing through as darker lines; gills broad, adnate, thick, white; stipe Prout's brown tomentose 8 x 1 mm

In thicket of Gynerium sagittatum

Costa Rica: Limon, Waldeck 40 m, Dodge 7187

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Cos

Mycena near trojanus

Pileus white 1.2 cm pruinose, not striate; gills crowded, narrow free white; stipe 2 cm x 1/3 mm chocolate below

Dead twigs in vergin forest

Costa Rica:Limon, Waldeck 40 m Dodge 7297

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Mycena near 5379

Pileus expanded to plane 3-4 cm, margin deeply striate to disc which is pinkish cinnamon, margin light pinkish ~~xx~~ cinnamon; gills medium, distant, interveined, light pinkish cinnamon; stipe cartilaginous hollow, smooth, light pinkish cinnamon above to cinnamon below, 6.5 cm x ~~x~~ 4-5 mm, compressed

Costa Rica:Puntarenas, Osa, Rio Terrones 2-5 m, Dodge 7729

gill

Cos

Mycena

Pileus 2.2 cm, disc fibrillose, hazel, margin somewhat lacerate gills white, narrow, close; stipe 3.5cm x 2 mm, white smooth

Costa Rica:Puntarenas, Osa, Estero Sandalo 5-20 m, Dodge 7660

gill

atta

Costa

Mycena

Pileus up to 1 cm diam, campanulate, white, margin striate, gills adnexed, subdistant, broad, white; stipe 1 cm x 2 mm white attached by a bulbous enlargement often 2-3 stipes connate at base

Costa Rica: Puntarenas, Osa, Cerro Guaca near Puerto Jimenez 60-85 m Dodge 7649

disc
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Cos

Naucoria semiorbicularis ??

Pileus convex-expanded, 2.4 cm, warm buff slightly darker on disc or uniform, smooth or margin slightly sulcate; gills ventricose, adnate to sinuate adnate, brownish, close; stipe cartilaginous, silky fibrous, concolor or lighter, 6 cm x 2-5 mm tapering upward or more orless equal

Among grasses beside ties oftram-line

Costa Rica: Limon, Castilla 20 m., Dodge 7237

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Naucoria semiorbicularis var. costaricensis n.var.

N. semiorbicularis forma Fries, Nov. Symb. Myc.

Pileus hemispheric, margins inrolled, 2.5 cm, reticulate, innate fibrillose with substriate margin, ochraceous buff, shading to cinnamon brown at margin, gills medium close, broad, adnate, Argus brown; stipe 8 cm x 2-2.5 mm, minutely pruinose furfuraceous, warm buff.

Leaf mould in dense jungle 1660 m

Specimens examined:

Costa Rica: Heredia, Cerro Central de Zurqui, 1660 m, Dodge, Valerio & Thomas 6132

Naucoria

Rotten log.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2500, Dodge 5181

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Naucoria
?Tubaria coniophora

Pileus depressed to umbilicate, margin inrolled, moist, mummy-brown or darker, 2 cm.;flesh 1 mm. thick, watery,mummy-brown; gills sinuate, subdecurrent,broad,ventricose,old gold; stipe catilaginous, hollow,olive-lake, substriate, watery, flattened irregularly.

On hollow, charred stump.

Specimens examined:

Costa Rica, San Jose,Rancho Redondo, Alt. 2650m., Dodge& Thomas 5159

Naucoria hepaticicola in Key.

Pileus expanded, hygrophanous margin striate up to 1.5 cm, cinnamon brown to ochraceous buff smooth; gills broad subdistant adnate. Sayal brown stipe floccose fibrillose carlitaquus 2 cm X 1.5 mm. Sayal brown. - Dodge & Goerge July 7.

Dead logs in potero south of house. Dodge & Goerge on Chusquea leaves.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180 m., Dodge & Thomas 5162 2300 m Dodge & Goerge, July 7.

Naucoria Earlei in Key.

On Peltigera in potrero south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2160-2180m. Dodge#

Thomas 5165

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Naucoria near Earlei
Cortinarius

Pileus viscid, 2.5 cm., innately fibrillose, bay, shading to buff; gills broad, distant, ventricose, sinuate, adnate, partial veil, indicated by cortina-like fibrils on upper part of stipe, ending in a definite line; stipe crooked, hollow, cartilaginous, tapering downward, innate, fibrillose, 3.5 cm. # 4-5 mm.

Rotten stump

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2300m., Dodge & Thomas

5167

Naucoria Earlei in Key.

On dead wood in potrero south of house.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2160-2180m.,Dodge &
Thomas 5166

Naucoria

Pileus somewhat viscid, hemispheric to expanded, 3.3cm., sharply umbonate, disc cinnamon-brown, shading to ochraceous-tawny, margin thin, splitting prolonged about 1 mm. beyond the gills; flesh very thin; gills broad, close, adnate with decurrent teeth; stipe chestnut, silky, cartilaginous, 1.5 cm # 2mm.

On Peltigera, mossy log.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2400m., Dodge 564 5164?

Naucoria

Pileus slightly umbonate,hemispheric,moist,up to 1.6 cm.,diamter,fleshy,cartilaginous,margin slightly inrolled,fibrillose,splitting slightly, but regularly,surface minutely verrucose-scaly,Mars brown or darker;flesh & stipe concolor; gills broad, close,light cadmium with orange-rufous edges, broad,adnexed; stipe 1.5 cm # 2 mm.,slightly hollow,innately fibrillose.

Dead log

Specimens examined:

Costa Rica, San Jose Rancho Redondo, Alt.2500m.,Dodge & Thomas 5165

Naucoria spinulifer in Key.

Pileus 1.8 cm., margin inrolled

Dead wood in potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180, Doage & Thomas 5168

?Naucoria semiorbicularis

form mentioned by Fr. from Juan Vinas, Oersted Ic.17

Pileus expanded, 4.5 cm. diam., thin, fibrillose, subhygrophanous, warm buff to Dresden brown, margin thin, splitting, not striate; gills brown, medium, narrow; stipe 6-cm., slender, 6 cm. # 3.5 mm. equal warm buff above to chocalate under, floccose, fibrous, reticulations; plants caespitose.

On mossy stump.

Specimens examined:

Costa Rica, Cartago, Finca Coliblanco, above Sta. Theresa de Capelladas, Alt.1980m. Doage 4652

Naucoria

Pileus 2cm., viscid, hemispheric, ochraceous-orange; flesh white only on disc; gills broad, subdistant, sinuate, adnate-decurrent by line; stipe cartilaginous, hollow, silky, ochraceous-orange below, lighter above 3 cm # 2 mm.

Mossy log.

~~Dodge~~ + Goerger July 11 more expanded gills close not broad adnate not sinuate nor decurrent by a line both pileus + stipe fibrillose scaly stipe 4 cm X 2.5 mm. subbulbous below.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 25-2400m., Dodge 5011

Naucoria

or purple-brown-spored analogue.

Pileus hemispheric with acute, conical umbo,up to 4 cm. diamter,subreticulate on disc,striate,auburn with bay umbo; flesh auburn, thin, except under umbo;gills adnate, broad,snuff-brown, close, edges, white pruinose; stipe cartilaginous,hollow, striate, furfuraceous, fibrillose along lines of gills,fibrillose, floccose below, buff, darkening where handled.

On mossy logs.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 23-2400m., Dodge & Thomas 5009

Naucoria

Pileus convex, 2.2 cm viscid, cinnamon brown, hygrophanous; gills sinnuate with decurrent line, close; stipe slender, cartilaginous with cortina/ silky fibrous, white above the cortina, brown below.

Mossy log

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2300 m, Dodge & Thomas 5083

Naucoria mexicana group

(See painting)

Pileus punctate from pyramidal, tufted scales; stipe hollow, cartilaginous, large and short.

South potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m., Dodge 5010

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Naucoxria
Psilocybe

pileus expanded, reticulate rugose 4-4.5 cm diam light buff to warm buff, margin smooth; gills broad, purplish, adnexed to sinuate adnate, close; stipe white to light buff, glabrous 4 cm x 4-5 mm taperingupward

Potrero

Costa Rica: Limon, Waldeck, 40 m, Nevermann (in Farlow Herb. 7282)

Dev [illegible]

Pil [illegible]
brow [illegible]
irr [illegible]
Gil [illegible]
lar [illegible]
Sti [illegible]
diam. [illegible]
but [illegible]

Cost [illegible], Li [illegible] nov., [illegible] nov. [illegible], 15. 7-30-60
Dod [illegible]

Nov [illegible]

Fil [illegible]
Sti [illegible]
yil [illegible]

Und [illegible]

Cos [illegible], Ill. [illegible], [illegible], 15. Typewritten 7-11-50
Dodson & Dodson

[illegible]

[illegible] flesh, 6.5 cm, [illegible] [illegible], [illegible] [illegible], [illegible] [illegible] by [illegible] or [illegible] yellow, [illegible] [illegible] [illegible] [illegible] yield olive, margin [illegible], [illegible] [illegible], [illegible], close, [illegible] [illegible] [illegible], [illegible], white [illegible], [illegible] olive [illegible] below, 10 cm x 3-5 mm

[illegible], O., [illegible] [illegible], [illegible] Doerger, Aug., 26

Leptonia ?

[illegible]

[illegible] 27 ft, [illegible], [illegible] [illegible] [illegible], [illegible] [illegible], [illegible] 7.5 cm, [illegible] [illegible], [illegible] [illegible], ~~[illegible]~~, [illegible], light vinaceous [illegible]; [illegible] 4mm x 1.5 mm, [illegible] [illegible] white

[illegible] log

[illegible], [illegible], [illegible] [illegible], [illegible] [illegible]

Vol.

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Holotype

Pileus convex, expanded, 1.2 cm., drab with small chaeturae drab disc, smooth

Gills free, close, salmon to salmon buff, broad

Stipe white, smooth, 1mm. X 3.5 cm. up to 2mm. diam. at base.

Costa Rica, San José prov., Guayabillos, 7-7-36

Dodge & Goerger

marg

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Cos

Nolanea
Mycena

Pileus convex, up to 1 cm, umbonate, shaggy hirsute, ochre red, margin thin; gills avellaneous adnate, close, narrow; stipe cartilaginous 2 cm x 1 mm white or nearly so, smooth

Costa Rica: Puntarenas, Osa, Estero Sandalo 2-0-50 m Dodge 7678

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Cos

Mollanea

Pileus 8 mm umbilicate, expanded, disc bister, margin sayal brown striate, surface minutely velvety; gills ventricose, pink, free, close stipe 7 x 0.5 mm white, translucent

Rotting log in jungle

Costa Rica: Limon, Los Negritos 20 m., Dodge 7202

Omphalia campanella

Specimens examined:

Costa Rica: SanJose, Rancho Redondo 2200 m, Dodge & Thomas 5019

Omphalina ?collybiformis Murr.

Pileus expanded, umbilicate to almost infundibuliform, 7 cm diam, surface moist, white, hygrophanous
gills narrow, decurrent, close, cream colored
stipe central to somewhat excentric, many branching from a single point of attachment.

On rottinglog on edge of banana clearing

Specimens examined:

Costa Rica:Cartago, Pejivalle, Rio Humo m Dodge & Thomas 4473

see photograph

Armillaria
Lepiota

Pi

Omphalia

Pileus flat, infundibuliform 6 mm broad, surface innate fibrous Sordids brown; gills decurrent, close thick, interveined, ochraceous orange; stipe slender 7mm by less than 1 mm, concolorous with the pileus

Among mosses on logs in potrero

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2300 m Dodge & Thomas 5142

Omphalia

Pileus convex, margin ~~xxxxxx~~ inrolled, honey yellow throughout; gills distant, long decurrent, thick, pruinose not interveined; stipe slender 12 mm long 5 mm

Specimens examined

Costa Rica: SanJose, Rancho Redondo 2300 m, Dodge & Thomas 4999

, Omphalia.

From same log as Omphalia NQ. 5544 and may be same species, but margin moist, striate; pileus flat, slightly umbilicate, 2 cm.; stipe very dark below; gills close.

Cespitose on decaying log.

Specimens examined:

Costa Rica, Province de Cartago, Laguna de Bonilla, Alt. 370m., Catt,

Dodge & Thomas 5543

Omphalia
Clitocybe

Pilei cespitose, smooth, pure white, convex to hemispheric with deep depression over disc, practically pure white; gills narrow, close, pure white, decurrent; stipe fleshy, tough, slender, white, smooth; pileus 1 ¼ in. in diameter; stipe 1 in. long.

Decaying log.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 140-200m; Catt, Dodge, & Thomas 5555

Omphalia.

Pilei convex to expanded, slightly umbilicate up to 14 mm., diameter slightly tomentose, margin inrolled, when young not striate between avellaneous & cinnamon-buff; gills narrow, close, decurrent, white; stem cespitose, tough, cinnamon, variable in length and thickness, 1.5 -4 # 2-1 mm.

Cespitose on dead log.

Specimens examined:

Costa Rica, Province de Cartago, Laguna de Bonilla, Alt.370m., Catt,

Dodge & Thomas 5544

Omphalia
Dictyolus

Pileus depressed to infundibuliform, sinnamon rufous, smooth, not striate up to 5 mm; gills distant, honey color, thick, decurrent straight or one or twice dichotomous forked
stipe concolorous with pileus up to 1 cm x 1 mm

Among mosses on stump

Specimens examined

Costa Rica: San Jose, Rancho Redondo 2180-2350m, Dodge &Thomas 5143

Omphalina.

Pileus 2 cm., convex, deeply umbilicate, viscid, or at least glutinous, yellow ochre, margin thin, inrolled; gills light to nearly white, thin, decurrent, subdistant; context almost membranous, thicker on disc; stipe cartilaginous, eccentric, tapering downward, 10 # 2-1 mm.

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, Catt, Dodge, & Thomas 5557

Omphalia

Pileus cornucopioid silky striate, margin inrolled, 12 mm, between medal bronze and citrine; gills decurrent, distant, citron yellow; stipe tapering downward 1 cm x 2-1 mm, smooth, citron yello w

Costa Rica: Limon, Castilla 20 m Dodge 7217

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Omphalina niveicolor Murr.

dead leaves ~~of~~ in Gynerium sagittatum thicket

Costa Rica: Limon, Waldeck 40 m, Dodge 7193

Dodge 7293 agrees well with Murrill's description but stipe i s shorter 2 mm, perhaps slightly eccentric from position on very wet log by ditch in virgin forest. same farm.

Omphalia flavella B & C

pileus 3 cm, stipe 2.5 cm x 2 mm

CostaRica: Limon, Waldeck, 40 m. Nevermann (in Farlow Herb. 7328

Omphalina near tepeitensis and subscyphoides

Pileus 1 cm, deeply infundibuliform, buffy brown or lighter margins inrolled, gills concolor, sudistant, narrow, decurrent; stipe slender 2.5 cm x 1 mm, concoloror lighter, shining

Costa Rica: Puntarenas, Osa, Puerto Jimenez, Dodge 7710

Lucoria mexicana group

Pileus companulate, margin incolled, conspicuously with pointed pyramidal or recurved scales, shaggy on disc, less so toward thin, incolled continate margin; scales bister, rest light pinkish cinnamon, 10 , diameter, 6-7mm. high; flesh thick on disc

Gills free or nearly so, broad, close, cinnamon with white edge

Stipe cartilaginous hollow, continate, floccose with slight greenish tint when first handled, becoming clove brown or darker, 2mm. diameter 3cm. long

Terrestrial in forest soil

Costa Rica, San José prov., Busquillos, 2300m. 7-7-30

Edgar A. Goerger

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Nolanea

Pileus expanded, 2 cm, pruinose, pale cinnamon pink,margin orange cinnamon, very faintly striate; gills pink, free, crowded, narrow; stipe 3 cm x 2 mm, pale cinnamon pink, pruinose, slightly tomentose at base, cartilaginous hollow

Cespitose

Heredia, Chahuites, 1600 m., Goerger 9-11-36

Mucori

Pileus up to 2cm., expanded, very broad, light umbo, margin [illegible]
disc citron yellow; margin crementing green in younger specimens
becoming antimony yellow with trace of buckthorn brown in center, margin
Saccardo's umber olive; flesh thin

Gills adnate, broad subdistant, Saccardo's olive

Stipe 2.5cm. x 1-2mm., lemon yellow above to light cadmium below,
cartilaginous, smooth or very minutely fibrillose

On decaying chips & twigs in forest along quebrada

7-7-76

Costa Rica, San José prov., Guayabillos
Dodge & Goerger

Fungi [illegible]

[illegible], [illegible], [illegible], [

[illegible]

[illegible] angular, [illegible], [illegible], [illegible] cut [illegible]
[illegible] on top, 1-1.5cm., [illegible]
Hill [illegible], [illegible], [illegible], [illegible]
Ships [illegible] [illegible], tough, [illegible], [illegible], [illegible] buff [illegible]
below, [illegible] [illegible]

[illegible] Lick, Du[illegible] [illegible], Os[illegible], [illegible] Sh[illegible]alo, 1-[illegible]. [illegible]-2-16
Lodge [illegible] Goerger

Naucoria ?

Pileus convex, up to 1.5cm.; margin slightly striate, warm buff

Gills adnate, broad, subdistant, warm buff or darker

Stipe cartilaginous, up to 2cm. x 2mm., warm buff

On decaying twig

Costa Rica, San José prov., Rancho Redondo 7-14-36

Lodge & Goerger

Mycoria mexicana

111

or *Flammula hypholomoides*

Pileus conic to expanded, nearly flat, fibrillose, c lg, ears brown becoming lighter toward fibrillose incurvate margin; Flesh thick, appearing water soaked, thick on disc; no milky juice or color change noted

Gills broad adnate, close, white, brownish from spores

Stipe fibrous, stuffed, water soaked appearing subcartilaginous, 3cm. x 4m

Mossy bank

Costa Rica, San José prov., Rancho Redondo, 7-13-36

Dodge & Goerger

[illegible] ?

Pileus 1.5cm., [illegible], [illegible], [illegible], [illegible], [illegible] ~~[illegible]~~ lighter between gills

Gills [illegible], subdistant, broad, concolorous

Stipe 1cm. x 1-1.5cm., very dark brown, [illegible] hollow, [illegible]

? fiber roots

Costa Rica, San José prov, S. Pedro de Montes de Oca 8-2-36

Herrmann

Collera
leucorii

Pileus hemispheric, 1.[illegible] cm., cinnamon buff or darker, viscid

Gills broad, distant, adnate

Stipe 3-4 cm. X 1.5 cm., cinnamon buff

In rich soil in maize field

Costa Rica, San José prov., Guayabillos, 2230 m. 7-14-36

Lodge & Goerger

Leucoprin n. sp. Parvoi group

Pileus 3 cm., dirty buff, broadly and very slightly umbonate, margin light buff, flexible from splitting over gills

Gills cinnamon brown, crowded, narrow, nearly free

Stipe white, 4.5 cm. x 3 mm., above [illegible], below, cartilaginous

Costa Rica, Limon prov., Castillo Farm, 20 m. 7-30-70

Lencoli

Disc smooth, buff brown; margin light brown, flat [illegible], ± undulate, viscerous, subdrite. Diam. of pileus 7.0 cm.

Gills vernal brown, close, narrow, adnate

Stipe white, up to 5cm X 2mm., cartilaginous, silky

Costa Rica, Limon Prov., Castillo Farm, 20 m. 7-28-36

Lodge Goerger

Omphalia
~~Mycena~~

Pileus less than 1 cm in diameter, umbilicate, margins raised, velvety, mars yellow; gills ~~whitex~~ a little lighter, broad, close decurrent; stipe cartilaginous tough, 1.5 cm x 1 mm, shading to Brussels brown, velvety

Puntarenas, Osa, R. Sándalo, Dodge & Goerger 8-27-36

Omphalia

Pileus umbilicate, 1-1.3 cm smooth or slightly fibrillose cinnamon rufous, ~~xxxxx~~ hygrophanous, gills decurrent, moderately close, antimony yellow; stipe 1 cm x 1 mm or less, cartilaginous, tough, concolor

San José, Guayabillos , 2300 m., Dodge & Goerger 7-10-36

Omphalia

Pileus infundibuliform 2.5 cm in diameter 1.5 cm high, striate sulcate on backs of gills, semipellucid, white; gills distant, narrow, white decurrent, stipe 4 cm x 2 mm. semipellucid white, cartilaginous, strigose at base only, rest smooth with a slight cottony tomentum above

Decaying twxigs

Puntarenas, Osa, R. Sandalo, 2 m., Dodge & Goerger 9-1-36

Omphalia

Pileus convex, deeply umbilicate, margin striate sulcate, Buffy brown or a litle darker; gills decurrent distant narrow white, merulioid betwee; stipe 2 cm x 2 mm. cartilaginous, semipellucid, white tapering downward

Puntarenas, Osa, R. Sándalo, 2 m., Dodge & Goerger

8-24-36

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Omphalia

Pileus slightly infundibuliform, 4 cm in diameter, 1 cm tall, striate sulcate over gills, buffy citrine and lighter, gills decurrent narrowm distant, naples yellow; stipe semipellucid, cartilaginous, 6 cm x 4 mm, cream color

Puntarenas, Osa, R. Sándalo, 2 m. Dodge & Goerger 9-1-36

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Omphalia

Pileus 2 cm, Sayal brown infundibuliform; gills clay color to cinnamon buff, crowded decurrent, narrow; stipe 2 cm x 4-2 mm, compressed cartilaginous, clay color to cinnamon buff.

Limon, Siquirres, Castills, 20 m., Dodge & Goerger, 7-29-36

Omphalia

Pileus expanded, almost flat, center umbilicate, slightly striate olive ochre; gills narrow, distant, decurrent, colonial buff stipe cartilaginous white, 1 cm x 1-1.5 mm tapering downward

Puntarenas, Osa, R. Sándalo, 2 m. Dodge & Goerger 8-21

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Omphalia

Pileus 2 cm, broad, campanulate to convex, disc olive lake to dull citrine, rest white, striate over gills; gills white, narrow subdistant adnate to decurrent, stipe white cartilaginious, blackening below covered with a white tomentum, 3 cm x 1 mm

San José, cañon of R. Uruca below Santana, Dodge & Goerger 9-8-36

Omphalia

Pileus flat, center slightly depressed, striate sulcate to disc, 1 cm, light brownish olive; gills slightly decurrent, white, subdistant slightly merulioid between gills, stipe tought cartilaginous, black, 1.5 cm x 1 mm or less tapering downward

Puntarenas, Osa, R. Sandalo, 2 m. Dodge & Goerger 8821

Omphalia

Pileus deeply infundibuliforn in center, margin convex, innate fibrillose, striate sulcate (shallow) up to 1 cm, tawny olive; gills distant, decurrent, white, broad in middle rapidly narrowing stipe cartilaginous 1 cm x 0.7 mm white, carob brown below becoming wholly so

Puntarenas, Osa, R. Sándalo, 2 m., Dodge & Goerger 8-21

Omphalia

Pileus 1.5 cm, convex, deeply umbilicate innate fibrillose, rugose striate, bister or lighter margin slightly lacerate; gills subdistant, decurrent, white, medium width, stipe cartilaginious tough, bister

Puntarenas, Osa, R. Sándalo, 2 m., Dodge & Goerger 8-22

Omphalia colybiiformis

Pileus slightly umbilicate, expanded convex, 2.5 cm striate sulcate to disc, wood brown, margin tilleul buff; gills white, slightly decurrent distant, broad; stipe twisted fibrous white above, drab below

Mossy bank

SanJosé, Rancho Redondo, m., Dodge & Goerger 7-13

Omphalia

Pileus flat, 1.2 cm. diameter, margin striate soon lacerate, cinnamon brown, disc umbilicate, darker; gills distant, narrow, decurrent, white, stipe 1-1.5 cm x 0.5 mm cartilaginous fragile, cinnamon brown below shading lighter above

Decaying mossy stick

Puntarenas, Osa, R. Sándalo, 2 m., Dodge & Goerger 8-21

Omphalia

Pileus deeply infundibuliform margin striate, white, margin striate, undulate and crisped; gills close narrow white decurrent stipe tough, 2 cm x 2 mm, white with hydrangea pink below

Decaying log

Puntarenas, Osa, R. Sándalo, 2 km Dodge & Goerger 8-22-36

Omphalia

Pileus deeply infundibuliform, margin striate buffy citrine to isabella; gills narrow, close, decurrent, white; stipe 2 cm x 2 mm white or slightly isabelline

Puntarenas, Osa, 2 m. R. Sándalo, Dodge & Goerger 8-24-36

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Ompahlia

Pileus deeply infundibuliform, 6 mm in diameter, 7-8 mm deep, margin inrolled, pure white, smooth; gills decurrent, broad, white, distant (6 in number); stipe 2.5 cm x 2 mm, white hollow, cartilaginous

On soil

Limon, Siquirres, Castilla, 20 m. Dodge & Goerger 7-25

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Omphalia

Pileus 2.2 cm, convex, center deeply infundibuliform, striate sulcate hygrophanous, Saccardo's umber and cinnamon buff; gills decurrent, distant narrow, white; stipe semipellucid, 2 cm x 2 mm, buffy brown

Decaying leaves

Puntarenas, Osa, R. Sándalo, 2 m, Dodge & Goerger 9-1-36

Omphalia citricolor group

Pileus 2 cm, infundibuliform, margin inrolled, fibrillose striate, honey yellow to isabella; gills decurrent, distant, ventricose, broad olive ochre ; stipe 2.5 cm x 1.5 mm white, cartilaginous

Decaying twigs

Limon, Siquirres, Castilla 20 m., Dodge & Goerger 7-23

Omphalia fibula ?
Mycena

Pileus campanulate up to 6-7 mm in diameter, about 5 mm high, disc tawny, small shading lighter to translucent margin, fibrous, striate sulcate, margin thin, somewhat sinuous, gills slightly decurrent, white subdistant, broad; stipe 1 mm or less in diam. 1.5-2 mm high, concolor or a little lighter.

Among mosses on roadside

San José, Guayabillos, 2350 m., July 9, Dodge & Goerger

Omphalia

Pileus light brownish olive, 1.5 cm, infundibuliform, smooth, margins ~~xxx~~ short striate; gills cream buff, decurrent, crowded, narrow; stipe cream buff to chamois, 1 cm x 2 mm. tough, shining

Limon, Siquirres, Castilla, 20 m., Dodge & Goerger 7-29-36

Omphalia

Pileus expandéd, deeply umbilicate, 1.5 cm, hygrophanous, disc more or less velvety, margin striate over gills, smooth, between mummy brown and Saccardo's olive; gills white decurrent, subdistant, narrow stipe cartilaginous white fragile semipellucid, 1.5 cm x 2.5-2 mm taper ing downward

Puntarenas, Osa, R. Sándalo, 2 m. Dodge & Goerger 8-24-36

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Omphalia

pileus 3.3 cm flat, striate sulfine yellow, steaked pellucid white gills distant narrow decurrent, citron yellow; stipe compressed cartilaginous fusiform, 2 cm x 6 mm, in broadest part, pellucid white

Puntarenas, Osa, Q. Huaca, 3 m. Dodge & Goerger 8-28-36

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Omphalia

Pileus deeply infundibuliform(very old) watersoaked, innate fibrillose, olive ochre with mars brown striae over gills which are distant, broad, decurrent, old gold; stipe tough, shining, mars brown to black, 2 cm. x 2.5 mm

Puntarenas, Osa, R. Sándalo, 2 m., Dodge & Goerger 8-24-36

Omphalia

Pileus infundibuliform, irregular, rugose striate, sulcate over gills, buffy brown or lighter and even isabelline; gills distant, irregular decurrent, thick white; stipe cartilaginous gragile and compresses, 2 cm x 2 mm, white

Puntarenas, Osa, R. Sándalo, 2 m. Dodge & Goerger 8-24

Omphalia

Pileus hemispheric to expanded, up to 1.5 cm, velvety strigose, umbilicate; gills white, decurrent, close, narrow
stipe cartilaginous, tough, tapering downward. 1 cm x 1 mm

Puntarenas, Osa, R. Sándalo, 2 m., Dodge & Goerger 8-23

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Omphalia

Pileus cartridge buff with striations of light brownish olive up to 3.1 cm, convex, center infundibuliform; gills cartridge buff, decurrent subdistant, medium; stipe cartridge buff, up to 2.3 cm x 2 mm, cartilagin ous

On decaying leaves

Limon, Siquirres, Castilla, 20 m., Dodge & Goerger 7-29-36

da

wh

Sa

Omphalia roriduliformis group

Pileus 6-7 mm, hemispheric, deeply umbilicate, ecru olive becoming darker as it dries, diaphanous; gills subdistant, broad, shortly decurrent white, stipe 1 mm x 1.5 cm, white cartilaginous, smooth, shining

On mossy log in forest

San José, Guayabillos, 2300 m. Dodge & Goerger 7-7-36

W
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c
r
c
b

S

Omphalia

Pileus convex, expanded, irregularly with sligh depression on disc white becoming 19"'f (between tilleul buff and pale olive buff, smooth becoming deeply sulcate up to about 3.5 cm in fully expanded specimens context very thin; gills shortly decurrent, broad, subdistant, white, rather broad; stipe tapering ~~xxx~~ downward very slightly 2-2.5 mm, 2.5-2.7 cm long, some compressed and curved, smooth, innate silky, white above bec becoming concolor at base.

Plants cespitose on inside of hollow tree

San José, Guayabillos, 2200 m., Dodge & Goerger 7-6-36

b
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a
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I

Omphalina

Pileus infundibuliform, margins inrolled, 1.5 cm, disc olive brown shading to dark olive buff at margin with olive brown striae gills broad, distant olive yellow, decurrent, stipe colonial buff, 3.5 cm tapering downward 2 mm above, 1 mm just above bulb which is pyriform, 2.5 mm.

Limon, Siquirres, Castilla, 20 m. Dodge & Goerger 7-23-36

Omphalina

Pileus infundibuliform, striate over gills, disc Naples yellow, 2 cm. in diameter 1 cm tall., margin cream color; gills cream color with edges of straw yellow

stipe cream color 2 cm long 1.5 mm in diameter cartilaginxous

Limon, Siquirres, Castilla, 20 m., Dodge & Goerger 7-28-36

D

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L

Omphalina

Pileus 1 cm, infundibuliform, Dresden brown, gills decurrent, Dresden brown, broad, distant, stipe 1.5 cm x less than 1 mm, tapering downward.

Limon, Siquirres, Castilla 20 m., July 23, Dodge & Goerger

Omphalina

Pileus between vinaceous buff and olive buff (19"') moist, viscid center more of les tomentose, stiate from slight splitting over gills, 3 cm., gills white decurrent, distant broad; stipe cartilaginous, 2cm x 2 mm, white equal, smooth xpruinose?

Limon, Siquirres, Siam, 20 m. Dodge & Goerger 7-30-36

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Omphalina
~~Mycena?~~

Pileus 2.1 cm, light corinthian red to deep corinthian red, umbilicate , margin inrolled, stiate over gills; gills broad, subdistant, decurrent, slightly light corinthian red; stipe 4 cm x 2 mm, Corinthian pink, cartilaginous hollow

Heredia, Chahuites, 1600 m., Goerger 9-11-36

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S

Omphalina

Pileus deeply infundibuliform, slightly striate over gills, 1.5 cm in diameter, cream buff, margins inrolled; gills narrow, distant, decurrent cream color; stipe cartilaginous tapering downward, concolor, 1.5 cm 2-0.75 mm.

Decaying twigs in forest

Paquita

San José, Paquita Hill, 20 m. Dodge & Goerger 8-15-36

Omphalina

Pileus disc and margin Dresden brown with warm buff between, infundibuliform, margin inrolled, 7 mm in diameter; gills decurrent distant, cartridge buff, stipe cartridge buff above shading to buckthorn brown below 1 cm long

Limon,
Siquirres, Castilla, 20 m. Dodge & Goerger 7-23-36

Omphalina
Lentinus

Pileus umbilicate, hemispheric becoming infundibuliform, up to 1.5 cm in diameter, strigose scaley avellaneous; gills close decurrent narrow white, stipe up to 2 cm x 2 mm concolor, fibrillose and substrigose

Puntarenas, Osa, R. Sándalo, 2 m. Dodge & Goerger 8-22-36

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Omphalina
Ompalina

Pileus infundibuliform, margins inrolled, 3 cm striate warm buff and Dresden brown, margins lacerate; gills decurrent, broad, distant, old gold; stipe 2.5 cm x 3-2 mm. cartridge buff, cartilaginous fibrillose pellucid hollow

Limon, Siquirres, Castilla, 20 m., Dodge & Goerger 7-23

Omphalina

Pileus deeply infundibuliform, margin inrolled, very slightly sulcate, wood brown; gills subdistant, narrow white decurrent, stipe wood brown cartilaginous semipellucid, base cottony white, 2 cm x 1 mm.

Puntarenas, Osa, R. Sapndalo, 2 m., Dodge & Goerger 8-22-36

Oxnbelina veruleides

Pileus infundibuliform, 7cm., reticulated, drab, darker over gills
Gills reticulate, white, veruloid between gills [illegible] in 1cm polypor
[illegible] in gills broader, distant, decurrent
Stipe white, 1.5cm. 1-3mm., tapering [illegible]ward, [illegible]ous, [illegible],
[illegible]lly in larger specimen

Moto 5

Costa Rica, Limon prov, Castillo Farm, 20m. 7-[illegible]-.6

Dermocybe

Pileus [illegible], 2.5-3 cm. diameter x 2cm., [illegible] ll., light [illegible] or darker, fibrillose; margin [illegible] incurved, [illegible]

Gills [illegible] edged [illegible] ribs, close ventricose

Stipe 12cm. x2-3mm., pruinose, velvety [illegible] beneath

In soil and in potrero

Costa Rica, San José prov., Rancho Redondo, 2200m. 7-14-36
, 2220m. 7-15-36

Dodge & Goerger

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Pleurotus

Pileus broad flabelliform 4 x 6 cm. semipellucid, warm buff to light buff, margin very thin; gills close, narrow, white, decurrent to base of attachment.

On fence post of cane field

San José, Santana, Dodge & Goerger 9-8-36

Pleurotus

Pileus ostreate to almost dimidiate with very short lateral stipe, substrigose above, hairs longer on disc, light orange yellow to pale orange yellow, margin inrolled, 2.5cm. in diameter
Gills close, medium, forking anf submerulioid at the stipe, not decurrent , mikado orange to capucine orange
Stipe 4-5mm. long x 4mm. in diameter

Inside very rotten log

Costa Rica, San José prov, R. Paquita 8-13-36

Dodge & Goerger

Pleurotus

Pileus broad flabelliform, 5 x 6cm., surface light ochraceous salmon to pale ochraceous

Gills not decurrent along attachment, narrow, close, seashell pink

On decaying log

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m. 8-21-36

Dodge & Goerger

Pleurotus

Pileus up to 4 x 5cm.; margin striate, nearly flat, flabellate to circular, margined behind, hygrophanous, cartridge buff
Gills close, broad, white, decurrent nearly to base of stipe, which is strigose, tomentose, white

On decaying log

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m. 8-21-36
Dodge & Goerger

Pleurotus serotinus group

Pileus circular to reniform, 5.2 cm between honey yellow and isabella, smooth; gills close, white, broad, decurrent to base, no group

Heredia, Santo Domingo de Sta. Barbara, 1650 m, Goerger 9-10-36

Pleurotus

Pileus viscid, white, margin faintly striate lacerate, flabelliform, 3cm. long x 2.5cm.

Gills white, close, narrow, not decurrent on stipe

Stipe 5 x 4mm. diameterm smooth, white

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m. 8-22-36

Dodge & Goerger

P. O. Box Y
Hollywood, California

Pleurotus

Pileus 5 x 8cm., flabelliform to dimidiate, umbonate but slightly margined behind, surface bibulous; disc deep olive buff shading to pale olive buff; ~~at~~ margin olive buff

Gills narrow, close, decurrent over attachment, white

Costa Rica, ~~Puntarenas~~ San José prov., R. Paquita? August, 1936

Dodge & Goerger

P. O. Box Y
Hollywood, California

Pleurotus

Pileus dependent, elliptic, 2.7 x 2.2cm., surface fibrillose becoming scaly on stipe, pecan brown, fading in age and toward margin
Gills crowded, narrow, pinkish buff

On decaying log

Costa Rica, San José prov., Guayabillos, 2300m. 7-7-36
Dodge & Goerger

P. O. Box Y
Hollywood, California

Pleurotus

Pileus flabelliform to orbicular; margin striate, undulate, ± lacerate, very thin, smooth, watersoaked

Gills white, close, narrow, decurrent to base of attachment

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m. 8-23-36

Dodge & Goerger

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Pleurotus resupinate

Pileus 3cm., flate, sulcate along gills, light pinkish buff

Gills distant narrow ridges

Costa Rica, ~~xxxxxxxxxxx~~ Puntarenas prov., Osa, R. Sándalo, 1-5m.

8-25-36

Dodge & Goerger

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Pleurotus

Pileus narrow, flabelliform, convex at first, then flat, 3 x 3cm., slightly velvety, honey yellow shading to cream buff on finely striate margin

Gills crowded, thin, narrow, honey yellow or lighter, decurrent but not along stipe

Stipe tapering downward, velvety,up to 1cm. x 1-3mm., concolorous

Costa Rica, Puntarenas prov., Osa, R. Ferrones 8-29-36

Dodge & Goerger

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Pleurotus

Pileus 2cm. x 1.7cm., white, narrowed into a short lateral stipe

Gills close, decurrent along stipe, white or slightly tinted yellowish, 2.5mm. diameter, narrow

Costa Rica, Puntarenas prov., R. Paquita 8-12-36

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Pleurotus

Pileus subcircular to flabelliform, disc and stipe maize yellow, rest watery white, smooth, slightly hygrophanous

Gills narrow, close, adnate to subdecurrent, white

Stipe lateral, 4mm. long x 1-2mm. diameter, white

Costa Rica, Puntarenas prov., R. Paquita, 8-14-36

Dodge & Goerger

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Pleurotus

Pileus variable, up to 8cm., dimidiate, expanded, minutely fibrillose, Color 19""(between drab and grayish olive), slightly hygrophanous; margin somewhat lighter, thin, inrolled

Gills decurrent to stipelike lateral attachment, close, ventricose, broad on stipe, very narrow at margin, white

Stipe lateral, nearly covered by decurrent gills, white

See water color for habit (color of pileus not quite accurate)

On decaying Erythrina sp. , roadside above Tres Ríos.

Costa Rica, Cartago prov., slopes of C. Carpintera, 1400m. 9-1-36

Dodge & Goerger

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Pleurotus

Pileus 5cm. long x 4cm. broad, flabelliform, white, hygrophanous; margin irregularly undulate & crisped

Gills crowded, narrow, cream color, not decurrent

Stipe 7-8mm. x 4mm., white

On decaying log in bananal

Costa Rica, Puntarenas prov., R. Paquita 8-15-36

Dodge & Goerger

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Pleurotus

Pileus nearly circular to flabelliform, up to 1.2cm. in diameter; surface strigose on disc, densely velvety tomentose to margin, pale drab gray to pale smoke gray

Gills decurrent along attachment, narrow, crowded, white, no stipe

On decaying liana on living tree

Costa Rica, Puntarenas prov., R. Paquita 8-13-36

Dodge & Goerger

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Pleurotus

Pileus very irregular, ostreate; margin crisped, undulate, somewhat lacerate; smooth dull color indefinite, "smoky sordid", perhaps slightly hygrophanous

Gills close, narrow, white, not decurrent on attachment which is 1cm. in diameter, 1cm. long, fleshy, white, smooth or nearly so

On decaying log in manglar

Costa Rica, Puntarenas prov., R. Paquita 8-14-36

Dodge & Goerger

Pleurotus

Pileus dimidiate, up to 7cm., flat; margins somewhat wavy and crisped; surface smooth, color 17"b cinnamon buff shading to pale pinkish buff at margin; margin not thin nor inrolled
Gills narrow, cinnamon buff to pinkish buff, reaching the substrate without stipelike point of attachment; flesh of pileus adnate to bark of host

On decaying Erythrina sp. on roadside above Tres Ríos

Costa Rica, Cartago Prov., slopes of Cerro Carpintera, 1400m. 7-1-36
Dodge & Goerger

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Pleurotus

Pileus 2-3mm., strigose tomentose, cartridge buff

Gills warm buff, 2-3 large ones and several short ones

Attachment lateral

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m. 8-24-36

Dodge & Goerger

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Pleurotus sect. resupinatus

Pileus very viscid, flabelliform to dimidiate, warm buff or lighter

Gills white, close, narrow

Stipe wanting, attachment latent

Costa Rica, San José prov., Rancho Redondo, 2200m. 7-14-36

Dodge & Goerger

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Pleurotus

Pileus pendent from twig, 1.5cm., reniform, white velvety on avellaneous ground, moist; margin white, faintly striate

Gills white, close, narrow, decurrent

Stipe absent

Costa Rica, Puntarenas prov. Osa, R. Sándalo, 1-5m. 8-27-36

Dodge & Goerger

Tubeolus

[illegible]

[illegible]

[illegible]

[illegible]

Lluteolus

Pileus [illegible]ly coni[illegible], [illegible] i[illegible]ameter [illegible] 1,[illegible] high; [illegible] smooth, silky, cartridge buff, [illegible] vellaneous, [illegible]ly, fibrillose [illegible]cerate [illegible]lls close ventricose, [illegible] with eroded edges [illegible] [illegible] brown [illegible], free

Stipe cartilaginous, fragile, at least 5cm. [illegible] 6mm., base broken off, [illegible]ruinose, silky

Costa Rica, San José prov., Rancho Redondo, 2300m. 7-15-36

Dodge & Goerger

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] III

[illegible] ??

[illegible]

[illegible]

[illegible]

Eluteolus

[illegible] cordis, Dc., [illegible], [illegible] to
antimony yellow, [illegible]
[illegible], fuor, [illegible], [illegible], ~~stinx~~
stipe lite, puniceus, [illegible], [illegible], [illegible]
[illegible] suggestion of velum

Costa Rica, San José [illegible], [illegible], [illegible] Qu, 7-14-[illegible]
Dodge & Goerger

Pluteolus

Pileus hygrophanous, 1-1.5cm.; margin striate, cinnamon brown fading lighter, convex

Gills white, spores brown, nearly free, close, broad in middle, narrowing at ends

Stipe cartilaginous, white, pruinose above, browning below where handled, silky, 2.5cm. x 1mm.

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m, 8-22-66

Dodge & Goerger

[illegible]

[illegible]

[illegible]

[illegible] (1140)

[illegible]

[illegible]

[illegible]

[illegible] ?

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] tone

[illegible] o[illegible]ul[illegible]te, [illegible], [illegible], [illegible],

Lentinus

Pileus convexulate, 1.cm. diameter x 1.5cm. tall, striate-sulcate from splitting of gills, [illegible] brown or darker

Gills narrow, crowded, [illegible] brown

Stipe 8.5 cm. x 1mm., cartilaginous, semi-pellucid, buckthorn brown

Costa Rica, Puntarenas prov., Osa, R. Sándalo, 1-5m. 9-1-33

Dodge & Goerger

[illegible]

[illegible] 1, [illegible], [illegible], [illegible], [illegible], [illegible], [illegible] brown to [illegible]

[illegible] crumbled, [illegible], [illegible], [illegible], light [illegible]

Stipe [illegible], 1-2 [illegible], [illegible], [illegible], [illegible], [illegible], fragile, [illegible] [illegible]

[illegible] soil

[illegible] Rico, [illegible] Prov., [illegible], [illegible] Jándalo, 1-5[illegible], 3-25-30

[illegible] [illegible] Moerger

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] to, lo[illegible], i[illegible] [illegible], [illegible]ll, cin[illegible]on, [illegible]rulioid, [illegible]striate

[illegible]ille clo[illegible]e

[illegible]tipe [illegible] - 1-3 [illegible], ci[illegible], [illegible]il, [illegible]il[illegible]inous, [illegible]

[illegible]

[illegible] [illegible], [illegible], [illegible], [illegible], [illegible], [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

I[illegible]thyra

Pilus [illegible]der to flat, 2, [illegible], [illegible] to, [illegible]
splitting long branch of gills to disc [illegible] [illegible] or [illegible]
to vim cow [illegible]uff, fragile
Gills broad, bounded, [illegible] to [illegible], [illegible] [illegible]
thin fragile, [illegible] [illegible], [illegible], [illegible], [illegible], [illegible], [illegible]
slightly [illegible]

I [illegible]nal

[illegible] Fuc[illegible] prov., [illegible], [illegible] 7-1[illegible]-[illegible]
[illegible] Boerger

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Mistula, purple brown
Pailocybe

Pileus fragile, campanulate, 12mm. in diam., 9mm. high, disc light buff, splitting over gills giving light drab appearance, striate margin

Gills purple brown, broad adnate

Stipe fragile, cartilaginous, white, 1mm or less in diameter up to 6cm. long

Base of decaying stub

Costa Rica, San José prov., Rancho Redondo, 2280m. 7-14-56

Psilocybe of 4 11

Pileus 2.5 cm. convex, [illegible] striate [illegible] of [illegible] [illegible], velvety, light [illegible] cinn[illegible]n margin [illegible] darker, [illegible] [illegible] brown [illegible] broad [illegible]; stipe 5 cm. by [illegible], [illegible] [illegible] [illegible]

On decaying stick

Costa Rica San José prov. [illegible] Medondo [illegible]. 7-14-[illegible]
Dodge and Goerger

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Tricholoma

Pileus 4.5 cm in diameter, cinnamon rufous, center depressed, margin coarsely striate, very moist; gills adnate, subdistant, concolor broad; stipe 8.5 cm x 9 mm cinnamon rufous, fleshy with appressed tomentum

Heredia
Chahuites, 1600 m., Goerger, 9-11-36

Tricholoma

Pileus 1.2 cm, convex, margin inrolled, white umbonate with small conic umbo; gills white sinuate adnate close, edges eroded; stipe fleshy 2 cm x 4 mm, white (now water-soaked] dirt attached suggesting volva on slightly bulbous base

Heredia: Chahuites, 1600 m., Goerger 9-11-36

No. [illegible] ?

[illegible] 1.50m., [illegible] to [illegible] acre, [illegible] [illegible] [illegible]

n. gen. near 7016

Pileus lateral, sessile, dimidiate to nearly circular, up to [illegible], in diameter, wood brown; margin smooth, not striate

Gills close, broad, decurrent to point of attachment, edge white, light brownish drab.

Costa Rica, Limón prov., Castillo farm, 20[illegible]. 7-25-36

Lodge & Goerger

. Ser. (White Fluxus)

Pileus 1cm., flat, concentrically zonate; the lower hymenium resting on a mycelial mat on the ground

Gills ventricose, white, close, free and distant from stipe

Stipe 1.5cm. x 1.5mm., attenuate, silky, pruinose, floccose color

Collecting this fungus

Costa Rica, Puntarenas prov., R. Fruit 9-14-36

Lodge & Goerger

n. gen. (Singles: Lenzites)

Pileus fan., [illegible] light red breaking up into [illegible] on light buff background; [illegible] very thin

Gills subdistant, white, broad, free

Stipe cartilaginous, no trace of ring, [illegible] 2.5cm. [illegible] 2.5 [illegible], light reddish cinnamon

Costa Rica, Puntarenas Prov., Osa, L. Sándalo, 1-5m, 9-2[illegible]-36

Dodge & Goerger

[illegible]

[illegible]

[illegible]

n. gen.

Pileus with strigose, chaeturo drab disc, margin drab, densely tomentose and substriate, 1.5 cm.

Gills Tilleul buff, close, ventricose, free

Stipe 5cm. long, 2mm. at apex, 1mm. 6mm. below then expanding downward to 2mm., white, cartilaginous, innate fibrillose

On ground in palm forest

Costa Rica, Limon prov., Castilla Farm, 20m, 7-28-36

Crepidotus (purple spored)

Pileus with disc light cinnamon drab to Benzo brown, shading to pale ecru drab or lighter at margin, up to 1.5 cm. diam. (long)
Gills benzo brown or a bit lighter.

Costa Rica, Limon prov., Siquirres Farm, 20m. 7-30-36

Panaeolus

Pileus 4.5 cm, hemispheric, white or nearly so; flesh white thick margin smooth, gills free, ventricose, black with whitish edges, close; stipe 12 cm x 4-7 mm, silky white or slightly cottony at base

On horse dung in potrero

Specimens examined:

Santa Maria about

Guanacaste: Santamaria, 720 m Dodge & Thomas 6954

Panaeolus
Psathyrellus

Pileus hemispheric16mm, subsulcate, innate fibrillose, margins inrolled with appendiculate remains of veil; gills black with white edges, stipe slender hollow, minutely furfuraceous, drab buffy brown

On very old cow dung?

Specimens examined

Costa Rica: Cartago, Colibianco on south slope of volcano Turrialba

Dodge & Thomas 4644

Paxillus

Pilei cespitose, 6 cm, expanded, disc smooth, dark brown to black rest of pileus xxxxx scaly fibrillose, scabrous, marginsthin, somewha lacerate, flesh thick, wood brown or darker with a darker subgelatinous zone next the gills; gills separable, thick, close, sinuate to almost free, broad; stipe fleshy 8-9 cm x 6-9 mm,smooth, equal

Terrestrial under fallen log in dark jungle

Specimens examined:

Costa Rica:Heredia, Cerro Central de Zurqui 1620 m, Dodge, Valerio Thomas 6137

Pholiota
Cortinarius
Hypodendron

Pileus convex, expanded, viscid, innate fibrillose scaly, 5 cm diam, russet disc shading to antimony yellow, margin fibrillose slightly inrolled, gills close, almost free, broad; flesh thin, y ~~xxxxxxxxx~~ except thicker on disc, yellowish
stipe fleshy cartilaginous, hollow, covered with a floccose scaly thick tomentum which crushes and darkens on handling, at base uniting with soil particles to form a pseudovolva at top forming an indefinite cortinoid annulus 6.5 cm x 5 mm

In mossy soil

Specimens examined

Costa Rica: SanJose: Rancho Redondo 2300-2400m Dodge & Thomas 5130

Pholiota

Pileus broadly campanulate, light yellow, 5-6 cm, disc a deep brownish orange as the powdery remains of the universal veil disappears becoming nearly cream color, surface silky, margin striate nearly to disc, splitting; flesh thin, white; gills yellowish, becoming grayish brown, narrow crowded, free;
stipe cartilaginous hollow, splitting, powdery becoming smooth, silky, equal but tapering in the lower 2 cm to a bulbous base; annulus movable about 5 mm broad, yellowish.

Specimens examined:

Costa Rica: ~~xxxxxxxx~~ Cartago, Santiago, Rio Birris R, Chavarria Dodge no 4647

Pholiota
~~Armillaria~~

Pileus hemispheric, broadly umbonate, 2.5 cm, margins thin, even, inrolled, slightly viscid, surface sublacunose, vinaceous cinnamon, darker on disc; gills close, slightly decurrent, broad, light vinaceous cinnamon; stipe tapering upward, 3.5 cm x 3-5 mm cottony fibrous, light vinaceous cinnamon or lighter with broad, persistent annulus.

on earth in potrero

Specimens examined:

Costa Rica:San Jose, Rancho Redondo, 2200m, Dodge 5372

Pholiota

Pileus expanded, depressed, 5.5 cm, subviscid, becoming dry, sublacunose, army brown shading to pinkish buff; margin even, thin appendiculate, flesh thin except on disc, white; gills decurrent almost to annulus, broad, close, cinnamon to snuff brown; stipe slender, fleshy fibrous, dark tapering upward, annulus somewhat evanescent, stipe 3.5 cm x 5-8 mm

On earth in potrero

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2200m Dodge 5378

Pholiota

Pileus 2.5 cm., [illegible] nous, pinkish buff to tawny olive, [illegible] smooth;
flesh very thin, light pinkish buff
Gills adnate, subsinuate, close, tawny olive
Stipe fibrous, 2.5cm. x 3,5mm., ring inconspicuous but distinct tawny
olive or darker

on soil in forest

Costa Rica, San José prov., Cerro Redondo, 2200m. 7-14-36
Lodge & Goerger

F oliota

Pileus 2.5cm., squarrose, scaly on disc; scales hays russet on background of ochraceous buff; irregularly crenated, margin faintly striate

Gills close, ventricose, adnate to slightly decurrent; ring near apex, erect, narrow, easily overlooked

Stipe less than 2cm. x 2mm., fibrous, ochraceous buff or lighter, with occasional fibres of Hays russet.

On mossy log

Costa Rica, San José prov., Rancho Redondo, 2150m. 7-16-[illegible]

Lodge & Goerger

Pilosace

Pileus expanded, campanulate, 4 cm, smooth, margin fimbriate by splitting, often for 1 cm, very dark brown; flesh very thin; gills free, ventricose; stipe cartilaginous, hollow, 3 cm long, 3 mm thick slightly thicker below with subbulbous point of attachment to wood whole plant hygrophanous

Specimens examined

Costa Rica, Cartago, north west slope of Cerro Carpintera 1650m
Dodge & Thomas 4815

x

Pilosace
~~Psathyra~~

Pileus campanulate 2 cm, hygrophanous, sayal brown, margin striate; gills narrow, close cinnamon, adnexed to free; stipe 6 cm x 1.5 mm shining, cartilaginous white above to VanDyke brown below

Virgin forest Waldeck
~~Puntarenas~~ R Sandalo material 4.2 fibrillose fragile sayal brown shading to pinkish cinnamon gills sayal brown stipe 9.5 cm X 2-3 mm tapering downward.

Costa Rica: Limon, Waldeck 40 m, Dodge 7279
Puntarenas, Osa, R Sándalo · m Dodge + Goerger Aug 21

Pleurotus.

Pileus very thin, dimidiate to broad flabelliform, color varying from white to wood-brown, edges natal brown; gills very crowded, very narrow, white, decurrent along point of attachment.

Rotten stump.

Specimens examined:

Costa Rica, San Jose? Finca Sta. Rosa, Alt. 2600 m., Dodge 5239

Pilosace

140

Pileus campanulate, disc[illegible] buff or [illegible]ther, [illegible]oth, gills splitting along bricks [illegible]ing margin deeply striate, avellaneous.

Gills purple brown, crowded, free, narrow

Stipe 7cm. X 4-6mm. tapering upward, fragile, silky white.

[illegible]

Costa Rica, San José prov., Rancho Redondo, 2220 m, 7-15-[illegible] ~

Dodge & Goerger

Pilosus [illegible] or P. [illegible].

Pileus broadly convex [illegible], up to [illegible] cm. [illegible], [illegible] cm. [illegible], covered with argus brown to [illegible]tum (universal veil which finally peels off leaving smooth, brunnels brown disc about 1 cm. in diam., gills splitting from backs leaving margin deeply striate, margin drab

Gills crowded, free, narrow, purple brown

Stipe white, 7cm. x 5-6mm., tapering upward, silky, fragile, cartilaginous

On mossy logs

Costa Rica, San José prov., Rancho Redondo, 2230. 7-15-36

Pleurotus

Pileus viscid, white, almost membranous 1.5 cm.,dimidiate; gills thick, narrow, close, white, no sign of stipe.

Dead liana.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 120-400 m.,Catt, Dodge & Thomas 5551

Pleurotus

Pileus 1.1 cm.,light drab on disc, shading to pale drab-gray, coarsely striate; gills adnate, broad, distant, concolor; atipe 2 mm. # 1 mm. lateral, pruinose.

Specimens examined:

Costa Rica, Limon, Rose Hill above Rio Pacuare, Alt.70-120,

Catt, Dodge & Thomas 5525

Pleurotus?
Omphalia ?

Wholly white, 8 mm., almost membranous, tomentose above; gills distant, sinuate, adnate; stipe eccentric? short, cartilaginous

Specimens examined:

Costa Rica, Limon, Rose Hill above Rio Pacuare, Alt. 70-120m., Catt, Dodge & Thomas 5515

Pleurotus "hiatuloides"

Pilei short, stipitate, context thin with deep grooves over the gills, which are thick, distant, tilleul- buff to wood brown, 3 # 4 cm; gills adnate on short stipe which is 5mm. # 3 mm, white to tilleul buff.

Dead stump in potrero.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt.120-200m., Catt, Dodge & Thomas 5508

Pleurotus n sp.

Pileus avellaneous (to warm buff or vinaceous in 7317), 3.5 cm., tomentose, margin thin, white, faintly striate, crisped, rarely proliferating; gills white, very narrow, very crowded, attachment lateral; pileus varying from dimidiate to reniform, etc., often appearing almost resupinate, but free from substrate.

On rotten log

Specimens examined:

Costa Rica, Limon, Barnstorf Farm, 20m Catt, Dodge & Thomas 5510

Los Negritos 20 m ~~Dodge~~ 7317

Pleurotus Cattii n sp.

Pileus, gills & stipe orient pink, pileus 1 ¼ in. with short lateral stipe; gills decurrent along stipe, which is 5/16 in. in diameter; surface of pileus faintly tomentose.

Dead log in potrero.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 140-200m., Catt, Dodge & Thomas 5539

Pleurotus

Pileus triangular flabelliform 7 x 8 cm margin thin, slightly striate probably white but dry when collected and then cream buff marginate behind
gills broad subdistant cream color with darker edges only partly decurrent alongthe stipe which is eccentric, .7 cm long, 1.0 cm in diam smooth and white

Stub in potrero

Specimens examined:

Costa Rica: San Jose, Finca de Alfredo Volio above potrero of Cabeza de Vaca, Rancho Redondo 2700m, Dodge, Dodge &Thomas 5383

Pleurotus

Pileus pure white or slightly tinged when old 11x 14 cm, with short lateral stipe; gills close, broad, decurrent, only part way along the point of attachment, margin crisped, glabrous, stipe 2 x 1 cm.

Dead log.

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2540 m, Dodge &Thomas 5369

Pleurotus "crispatus"

Pileus reniformto flabelliform but appearing infundibuliform, 11 cm margin much crisped, scalloped, hygrophanous pure white, ,argin very thin, striate; gills white, close narrow, decurrent; stipe lateral but appearing central, short, white, tapering downward, 20 x 17-12 mm. This species when growing has all the appearances of a large fleshy, hygrophanous Clitocybe but it is morphologically Pleurotus

Very rotten Euterpe

Costa Rica: Limon, Los Negritos 20 m. Dodge 7250

Puntarenas: Osa, R Sandals 5-20m Dodge

Pleurotus

pileus reniform, flabellate, fibrillose, slightly sulcate, d disc Verona brown shading to cartridge buff; gills narrow, crowded Naples yellow, not decurrent; stipe lateral 1.5 cm x 1.5 mm verona brown

Decaying log

SPecimens examined

Costa Rica: San Jose, Rancho Redondo, 2400 m, Dodge & Thomas 5365

Pleurotus
Crepidopus

Pileus inverted infundibuliform, i.e. with gills inside funnel; hygrophanous, somewhat fibrillose light pinkish cinnamon on disc to sayal brown margin; gills narrow, very growded, radiating from bottom of funnel, pinkish cinnamon; stipe ~~of~~ from top of pileus tapering upward, 2 cm long 2-5 mm diam.

Rotten log

Specimens examined:

Costa Rica: San Jose, Rancho Redondo Dodge &Thomas 5382

Pleurotus serotinoides Dodge n.sp.

Pileus old when collected, odor of sink trap or sewage cespitose 6 x 9 cm upper surface now sordid grayish olive, margin cinnamon, spongy tomentose; gills close, broad, zinc orange to tawny, no trace of a stipe

Specimen examined

Costa Rica:Cartago, south slope of Irazu 2700m Dodge & Thomas 6746

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Pleurotus semilectum group.

Pileus dimidiate to flabellate up to 4 x 6 cm diam. Surface slightly spongy tomentose, margin thick, smooth, pinkish buff with suggestion of avellaneous; gills close decurrent, medium width white drying cream color (in one pileus evidently from same mycelium not decurrent then) stipe 5 x 10-5 mm taperingdownward cottony white).

On standing tree strangled by Ficus sp. in jungle about 6 m above the ground, in jungle above H. Quebrada Azul northwest of Tilaran

Specimen examined

Costa Rica:Guanacaste: Hacienda Quebrada Azul n.w. of Tilaran

Dodge & Thomas 6627

Pleurotus commiscibilis Sacc. Syll.

Pileus hygrophanous 4-6 cm, convex, deeply umbilicate, margin striate to disc, white to cream buff, flesh thin; gills short, decurrent, broad, subdistant, white; stipe varying from nearly lateral (then broad, marginate behind) to central, tapering downward smooth hygrophanous, white, fleshy varying from 10 x 5 mm to 20x 6-14 mm often tomentose at base, often cespitose

Large amount eaten, very delicious

Specimens examined:

Costa Rica: Heredia: Cerro Central de Zurqui 1700m Dodge, Valerio & Thomas 6131.

Pleurotus nearest semitectum.

Pileus sessile, applanate, flabelliform, light buff above; gills white, wide, close; margin ruffled.

On mossy log.

Specimens examined:

Costa Rica, Cartago, Finca Coliblanco above Sta. Theresa de Capelladas, Alt. 1980m. Dodge 4659

Pleurotus.

Pileus flabelliform,thin, 4 # 2.5 cm.,disc drab,shading to cartridge-buff; gills very narrow, crowded not decurrent along point of attachment; stipe 2 mm. long# 3 mm. wide,white, spongy,tomentose, lateral.

Log in potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2300 m., Dodge & Thomas.

5220

Pleurotus.

Pileus thin, margin crisped, broad flabelliform, hygrophanus-pruinose above, warm buff to cinnamon-buff; gills narrow, crowded, not decurrent along point of attachment, ochraceous-buff.

Dead wood

Specimens examined:

Costa Rica, San Jose, Ranco Redondo, Finca Santa Rosa, Alt. 2580, Dodge 5236

Pleurotus
Omphalia

Wholly white; caespitose; pilei umbilicate to infunbibuliform or flabelliform; stipe varying from completely lateral to nearly central; glabrous, subnitid, but not viscid; flesh thin; gills decurrent, very crowded and very narrow, white; stipe 1.5cm. by 1.5-2 mm., tapering downward.

Dead wood in forest.

Specimens examined:

Costa Rica, Cartago, N.W. slope of Carpintera, Alt. 1550 m.,
Dodge & Thomas 4809

Pleurotus semitectum

Spore print white.

Specimens examined:

Costa Rica, Cartago,N.W. slope La Carpintera, Alt.1300-1500m.,
Dodge & Thomas 4729

Pleurotus near brunescens.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2200m., Dodge & Thomas 5115

Pleurotus near semitectum.

Pileus ivory-buff with smoky tomentum, thin, 3 cm.

Specimens examined:

Costa Rica, Aljuela, Rio Ciruela between Alajuela & Desamaparados,
Alt. 920-980, Dodge & Tho Valerio
4501

Pleurotus near catephas.

Pileus remiform, 2.5 & 5 cm.;flesh thin,hygrophanous, margin striate slightly,deep olive-buff when moist;gills adnate, medium close;no stipe.

Specimens examined:

Costa Rica, Cartago, La Carpintera,Alt.1300 to 1500m., Dodge & Thomas 4728

Pleurotus near Eugeniae

Cf. P.putredinis.

Small, pure white.

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt. 650-820 m., Dodge & Thomas 4467

Puntarenas, Pto Jimenez 5 m Dodge

Pleurotus.

Eaten. Pilei 11 # 8 cm., dimidiate with single point of attachment, slightly irregular in outline and edges slightly crisped, buffy-brown or lighter; gills close, broad, completely decurrent along point of attachment, white.

Mossy log in potrero south of house.

The flavor is excellent.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2160-2180m., Dodge & Thomas 5058

Pleurotus subhaedinus.

Specimens examined:

Costa Rica, San Jose, Desamaprados de San Jose, Alt. 1130 m.,

Dodge & Thomas 4813

Pleurotus (Microphiale)

Pileus white, slightly velvety 4 x 3.2 cm margin not crisped, even or splitting slightly, not striate; gills adnate medium close, white; stipe cespitose, several more or less connate at base, tapering upward 3.5 x 4-7 mm, white, slightly tomentose pubescent.

Growing on underside of log in forest

Specimens examined:

Costa Rica: Cartago, north west slope of Cerrosde Carpintera 1680 m Dodge & Thomas 6138.

(Crepidopus)

? Pleurotus commiscibilis Sacc. Syll.

Pileus hygrophanous, 4-6 cm, convex, deeply umbilicate, margin striate to disc, white to cream buff, flesh thin; gills short decurren broad, subdistant, white; stipe varying from nearly lateral (then broa marginate behind) to central tapering downward, smooth, hygrophanous, white, fleshy, varying from 10 x 5 mm to 20 x 6-4 mm, oftentomentose at base, often cespitose.

Rotting log in potrero.1

Edible, very delicious flavor.

Specimens examined:

Costa Rica: Heredia, Cerrox Central de Zurqui 1700 m, Dodge Valerio & Thomas 6131.

Pleurotus?

Pilei up to 12 # 20 cm.,hygrophanous, salmon-buff to light ochraceous-salmon, margin ruffled,dimmidiate,altho with suggestion to coalescence of flabelliform parts; gills adnate, pale, flesh-color, 5-6 mm.,wide,close with extra gills about 1 cm. long next margin; stipe none.

On dead fence stump.

Specimens examined:

Costa Rica, San Jose, Desamaparados de San Jose, Alt.1130m., Dodge & Thomas 4806

Pleurotus semitectum?

Pileus branched, flabelliform, 5 cm. long, divisions up to 2 cm. wide, surface hygrophanous, tomentose, spongy, drab at base, shading to white-malatus; flesh thin, white, margins very thin, sulcate; gills narrow, close, white, probably decurrent, forked; stipe not evident (basal portion riddled by insects); spores white in mass. (Fries only lists P. limpidus, a temperate European species. Oersted Ic.39 in Copenhagen.

On dead fence post.

Specimens examined:

Costa Rica, San Jose, San Jose, Sabana, Alt. 1100m., Dodge 4307

Pleurotus caveatus(B& C)
commisicibilis B & C
connatus B

Specimens examined:

Costa Rica, Cartago, Santiago, Finca Piedra above Rio Berris,

Alt. 1220-1340 m. Dodge & Thomas

4679

Pleurotus subbarbatulus. Murr.

(Painted)

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt.650m., Dodge & Thomas 4479

Pleurotus *semitectum*?

Pileus flabelliform, 12 cm. wide, 10 cm. deep, drab tomentum on buff background, margin slightly inrolled, somewhat crenulate; gills white to very light cream color, close; no stipe.

On fallen log.

Specimens examined:

Costa Rica, Aljuela, near Fuente de Aljuela, Alt.1500m., Dodge & Valerio 4748

Pleurotus near subhaedinium.

Pileus thin, white, margins subhygrophanous, sessile to subresupinate, up to 5 or 6 cm.;lamellae medium, close, no trace of stipe, but some pilei flabelliform.

Specimens examined:

Costa Rica, Aljuela,Rio Ciruela between Aljuela and Desamparadas.

Alt. 920-980, Dodge & Valerio

4499

Pleurotus

Pileei up to 7 # 10 cm.,applanate to infundibuliform, vinaceous-buff or lighter(sordid white),pruinose; margins hygrophanous,crisped thin; gills close,white,decurrent on very short lateral stipe, 7-8 m.long # 5-6 mm. broad.

On dead stump.

Specimens examined:

Costa Rica, San Jose, Desamparados de San Jose, Alt.1100?,

Dodge & Thomas 4796

Pleurotus

Pileus isabelline, margin striate, circular to flabelliform cespitose connate 6 cm long x 9 cmbroad; gills concolor to almost cinnamon, broad, subdistant, completely decurrent along point of attachment whic is not stipitate.

Costa Rica:Puntarenas, Osa, Cerro Guaca 85 m, Dodge 7647

Pleurotus (Microphiale) "viscidus"

Pileus 4 cm diam, semicircular, very viscid, disk dresden brown shading to cartridge buff, margins somewhat crisped and scalloped, faintly striate, flesh thin; gills narrow, crowded, white, slightly decurrent; stipe lateral 2 cm x 5-4 mm tapering downard watery dresden brown

Costa Rica: Puntarenas, Osa, Estero Sandalo 50 m Dodge 7695

Pleurotus nearconnatus

Pileus flabelliform, 6 x 4.5 cm, white, hygrophanous, margin thin very faintly striate; gills medium width and distance, decurrend along point of attachment white, attachment up to 1 cm diam

Puntarenas, Osa,
Costa Rica:/Cerro Guaca 60-80 m Dodge 7669

Pluteolus

Pileus 2 cm, rimose, fibrillose, umbonate, expanded conic; brussels brown or darker on disc, rest appearing lighter, margin faintly striate; gills free, light brownish, stipe slender, cartilaginous, white, pruinose, becoming brown where handled, subbulbous 4 cm x 2.5 mm

Grassy hillside under Quercus

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2250m Dodge & Thomas 5111

Pluteus

Pileus convex, 4 cm, viscid with gluten appearing as acicular crystals often agglomerate into conical elevations, mummy brown with buckthorm brown zone around disc; gills free ventricose, crowded vinaceous tawny; stipe 5 cm x 4-5 mm, taberingupward, fibrillose

Decaying wood

Costa Rica: Puntarenas, Osa Estero Sandalo 5-20 m, Dodge 7728

Pluteus

Pileus 2.5 cm umbonate, expanded margin smooth, inrolled, cinnamon rufous with a hazel umbo; gills free, tilleul buff, crowded broad, stipe fibrillose, becoming cinnamon rufous where handled 4 cm x 4 mm

Costa Rica:Puntarenas, Osa Estero Sandalo 20-250 m, Dodge 7682

Pluteus near compressipes

Pileus 3.8 cm, fibrillose, pinkish buff, slightly darker on the disc; gills pinkish, free, close ventricose;; stipe moist, si silky white, tapering upward, 5 cm x 7-3.5 mm

Specimens examined:

Costa Rica: San Jose, Rancho Redondo 2200 m Dodge & Thomas 5031

Pluteus near Harrisii

Pileus 3- 4 cm., expanded with small,prominent,conical umbo, surface moist, floccose, scaly, margin not striate; gills free,pink, very close; stipe white, shining, cartilaginous? hollow, 5-6 cm.# 4-5 mm.

Deadwood.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 140-240 m.,Catt, Dodge & Thomas 5533

Pluteus near multistriatus

Pileus umbonate, expanded up to 28 mm diam, russet vinaceous to sorghum brown, striate sulcate all the way to the umbo, gills white broad, free, subdistant; stipe fibrous cartilaginous 80 x 4 mm, white pruinose becoming slightly brownish where bruised

Specimens examined:

Costa Rica: San Jose? Santa Rosa, 2580m Dodge & Thomas 5223

Pluteus nitens group

Pil

Pileus 2.3 cm diameter disc very merulioid, deep fuscous brown margin very faintly striate; gills free but close to stipe, pale pinkish, crowded; stipe cartilaginous, hollow, silky, not furfuraceous below, deep fuscous brown, slender

Specimens examined

Costa Rica: Cartago, La Carpintera, Dodge & Thomas 4734

Pluteus

Pileus broadly campanulate, sharply umbonate, silky fibrous, Prouts brown to mummy brown, 3 cm; gills pink,(spores pink) nearly free, broad, close; stem 7 cm x 2 mm concolor with pileus fibrous with some floccose white mycelium below

Specimens examined:

Costa Rica: San Jose, Rancho Redondo 2150-2400m Dodge & Thomas 5081

Pluteus

Pileus expanded, slightly umbonate, pellicle separable up to 6.5 cm diam. disc slightly scaly, bister shading outward to snuff brown and lighter, smooth, gills free pinkish, very close, braod stipe silky white fleshy fibrous, 6 cm x 8 mm

On decaying log

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2300m, Dodge & Thomas 5380

Pluteus

Pileus expanded, flesh thin, innate fibrillose, 3.5 cm between cinnamon brown and dresden brown, margin very faintly striate; gills pink, ventricose, free very close, stipe slender, cartilaginous subbulbous below, barium yellow and shining

Mossy log in potrero

Specimens examined

Costa Rica:San Jose, Rancho redondo, 2160-2180 m Dodge & Thomas 5061

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Pluteus

Pileus 9 cm, wood brown, slightly darker on disc, minutely fibrillose with few very small pyramidal tufts on disc. margin thin, not striate, pellicle separable, flesh pinkish; gills close, ventricose, free, pink; stipe white, fibrillose, appressed, scaly below smooth above, 7.5 cm x 12-9 mm tapering slightly upward

Jungle.

Costa Rica: Limon, Marta 20 m, Dodge 7313

Pluteus nitens Pat. ?

pileus 3-4 cm, expanded to depressed, disc deep fuscous brown with merulioid folds which radiate and disappear near the striate margin, minutely velvety; flesh thin; gills free, distant fromstipe, pale pinkish, crowded; stipe cartilaginous hollow, sli slightly tapering below, ending in a bulb 3 cm x 4 mm minutely silky, furfuraceous below

Specimens examined:

Costa Rica: Cartago, Tres Rios 1300 m Dodge & Thomas 4737

Pluteus

Pileus cm, convex, blackish, fibrillose

gills pink, free, broad, crowded

stipe hollow cartilaginous, slender white broken off at 3 cm by 3 mm

Specimens examined

Costa Rica: San Jose, Rancho Recondo, 2150-2300m, Dodge & Thomas 5258

Pluteus near spinulosus

Pileus 5 cm diam, slightly viscid, expanded, broadly umbonate margin striate, prouts brown to mummy brown, disc black;flesh very thin; stipe fragile cartilaginous, hollow, silky tortuose , smoke gray, 100 x 7 mm; gills close, broad, free, pinkish.

Inside hollow stump, Nov.

Specimens examined:

Costa Rica: San Jose, Rancho Redondo, 2300 - 2400 m, Dodge & Thomas 5030

Pluteus near reticulatus

Pileus 4-4.5 cm diam. disc merulioid sulcate with radiating furrows; margins striate, splitting, bay and darker; gills free pink, ventricose; stipe cartilaginous, compressed, 6 cm x 4 mm silky fibrillose, striate, above furfuraceous punctate, pink. The dots are of the same color as dots on surface of pileus and are probably remains of the universal veil.

Specimens examined

Costa Rica: San Jose: Rancho Redondo, 2300-2400 m, Dodge & Thomas 5029

Pluteus cervinus group

Pileus expanded, somewhat viscid, fibrillose, umbonate, margin striate, argus brown, pellicle separable; flesh thin, very fragile; 8 cm diam; gills freepinkish, close, ventricose, fragile stipe fleshy fibrous, surface reticulate fibrillose, 7 cm long, 7 mm above 8 mm below with a slight bulb.

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2300 m, Dodge & Thomas 5065

Psalliota

Pileus convex, expanded, up to 12 cm. diameter, disc ~~tawny,~~ honey-yellow, margin lighter, fibrillose, scaly, rimose on disc, margin splitting; flesh thick; gills free, purple-brown, crowded, ventricose, stem 6 cm # 15-20 mm, tapering upward, pruinose above, broad, thick annulus, below floccose.

Grassy hillside in potrero. No 7672 was growing from hill of leaf cutting ants in jungle

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2300m., Dodge & Thomas 5157

Puntarenas, Osa, 10m Dodge 7672

Psalliota "mycenoides"

Pileus 4 cm, wood brown, darker on disc, margin striate, smooth gills close broad, free wood brown, stipe more than 5 cm x 2-4 mm tapering upward, annulus erect 4 cm below apex, white

Virgin forest

Costa Rica: Limon, Waldeck 40 m, Dodge & 7285

Pileus 2 cm, disc warm sepia margin light cinnamon drab, striate glabrous; gills close, bown, crowded free, vent icose, distant from stipe; stipe 4.5 cm x 1 mm, smooth, cottony below, equal, warm sepia or lighterno volva, ring narrow, erect

Virgin forest same day as no 7285

Costa Rica: Limon, Waldeck 40 m, Dodge 7294

Psalliota

Pileus 4 cm, very thin, fibrillose, margin striate, lacerate, disc brownish vinaceous shading to pale ecru drab, plane; gills free distant prom the stipe, broad, purple brown, close; stipe slender 5.5 cm x 3 mm smooth, silky cartilaginous, vinaceous cinnamon; annulus broad white, persistent, stipe ending in a bulb 6 mm in diameter, no trace of volva

Costa Rica:Limon, Marta 20 m., Dodge 7235

Psalliota

Pileus convex, expanded, smooth or innate fibrillose scaly, o ochraceous buff shading to warm buff margin smooth, inrolled, slightly appendiculate; gills free, purple brown broad, close; stipe 4.5 cm x 6-9 mm tapering downward, pulverulent-furfuraceous, warm buff below ring, smooth, white above; volva absent; ring single, broad, thick, finally collapsing about the stipe

An decaying grasses and dung in potrero

Specimens examined:

Guanacaste: Santamaria 680 m, Dodge& Thomas 6957

Psalliota

Pileus up to 5.5 cm, disc glabrous, Prout's brown, rest fibrillose scaly expanded; gills free, pinkish very close, broad; annulus double membranes 1.5 mm broad, white tinged with brown; stipe 6-10 cm x 7 mm ending ina bulb with a flat margin (cf. Ps abruptibulba) suggestive of anevanescent volva (especially in young specimens) silky white becoming slightly brown where handled.

Decaying leaf mould

Specimens examined:

Costa Rica: San Jose, Rancho Redondo 2400 m, Dodge & Thomas 5376

Clarkeinda
Psalliota

Pileus conic campanulate, moist, shining or slightly viscid 3 3 cm, buckthorn brown or much lighter, smooth; gills free or nearly so, broad, deep pinkish close; stipe white, 4 cm x 5-9 mm, smooth, flesh color; annulus membranous black, clinging close to stipe; volva ambiguous

On cow dung

Specimens examined

Guanacaste: SantamMaria 720 m Dodge &Thomas 6955

Psalliota

Pileus convex, 4 cm., surface slightly rimose, fibrillose, except on disc, sepia, but showing in creasing white toward margin; gills free, very close, narrow to medium, now pinkish; stipe 6 cm. # 7 mm., glabrous, silky, white; annulus very broad, thick, double.

Grassy potrero under Alnus.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2150 m., Dodge & Thomas 5027

Pseudliota or new

Pileus broad convexul te, 4cm. x 3cm. high, [illegible] ou, grillo , [illegible]
[illegible]ish cotton[illegible] remains of universal veil [illegible] [illegible] in [illegible]
[illegible]rgin striate, [illegible] [illegible]ous, fragile, g
Gills [illegible]te, purple brown, broad, close
Stipe white, flesh y, tough, hollow, smooth above ring, 1 cm. [illegible]
fibrillose below; ring erect, [illegible], ion, [illegible]ide, white,

Growing log in front of farmhouse on bank of river

Costa Rica, Puntarenas prov, R. Peguit. 8-15-[illegible]
Dodge & Goerger

[illegible]

[illegible]

[illegible]

Collio

Lilac, nearly flat, form, lips [illegible] red, [illegible] into overlapping [illegible] sepals on lighter [illegible]

Stalk free, erect, [illegible], [illegible]

Ovary closely, [illegible] tufted; [illegible] ± [illegible], [illegible] white [illegible] above, cotton, white below, [illegible], Ilem, [illegible].

Contributor, Ruth [illegible] as [illegible], [illegible], [illegible]; 1-[illegible]. 5-24-[illegible]

Lodge [illegible]

Psalliota

Pileus expanded, broadly umbonate, tomentose, scaly, brown on a white or slightly purplish background, margin thin, lacerate; flesh thick on disc, thin on margin; gills free, distant, becoming purple-brown, crowded, ventricose; annulus thick, spreading, nearly free; stipe tapering up ward, white, silky; pileus 6.5 cm. diameter; stipe 5.5 long # 6 mm. diam. above, 1 cm. diamter below.

Forest.

Specimens examined:

Costa Rica, Cartago, N.W. La Carpintera, Alt. 1600 m., Dodge & Thomas 4816

Psallista or new genus
~~Hygrophorus~~

Pileus broad, conical to campanulate, surface dry, scaly, color deeper on disc shading to light at the appendiculate margine; gills free or nearly so; annulus ~~xxxxxxxxxxxx~~ prominent broad, persistent; stipe cartilaginous, hollow tapering to a subbulbous base, silky above the ring, floccose scaly below

On bank among Cladonia thalli on roadside

Specimens examined:

Costa Rica: Alajuela, between Desamparados and Alajuela, Dodge & J. Valerio 4498.

see painting

Psalliota

Agaricus n. sp.

(See painting)

Spores purple-brown; ring thin, wide, evanescent.

Steep bank on roadside.

Specimens examined:

Costa Rica, Aljuela, between Itiquis & San Isidro de Aljuela,
980-1300 m., Dodge & Valerio
4755

Psathyra
Collybia, Similar to purple-brown-spored.(Painted #)

But surface wholly chalky-white; gills lighter, adnate. st stipe pure white not darkening where bruised; umbonate, cream on disc; stipe hollow, very fragile.

On rotting wood.

Spedimens examined:

Costa Rica, Cartago, Tres Rios, Alt. 1300, Dodge & Thomas 4731

b

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Psathyra

Pileus broad, conical 3.5-4 cm, hygrophanous, margin striate, brownish olive disc shading to chamois margin; gills adnate, crowded, medium, wood brown; stipe white, sparsely pruinose, 6 cm x 4 mm fragile catilaginous

Decaying leaves in virgin forest

Costa Rica: Limon, Waldeck 40 m, Dodge 7276

Psathyra

Pileus expanded avellaneous up to 1.5 cm margin thin, inrolled reticulate fibrillose smooth, gills close, narrow, adnate purple bo brown; stipe white smooth, 4-5 mm x 1.5 mm

On decaying gavilan (Pentandra

Costa Rica: Limon, Castilla 20 m, Dodge 7230

Psathyra:

Pileus fragile, expanded, margin striate, disc depressed around umbo, whole uniformly wood brown to buffy brown 1-1.5 cm; gills close, medium, adnate buffy brown; stipe white shining, slightly pruinose at base 2 cm x 0.5 mm

Decaying leaves in virgin forest

Costa Rica: Limon, Waldeck 40 m, Dodge 7292

Psathyra

Pileus hemispheric, 2 cm, wood brown, minutely fibrillose gills close, ventricose; stipe fragile, hollow cartilaginous, 3 cm x 2 mm

Mossy log

Specimens examined

Costa Rica: San Jose, Rancho Redondo Dodge &Thomas 5105

Collybia
~~Psalliota~~
Pseudohydnella?

Pileus broadly conic, black, surface slightly villose; gills narrow, crowded, adnate, white, spotted black where bruised; stem cartilaginous, velvety, black to slightly pruinose above.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2400m. Dodge & Thomas 5131, 5274

Psathyrella

~~Collybia, Black-spored~~

Pileus 2.5 cm., black, expanded, smooth; gills white, black- spotted; stipe black, short, cartilaginous.

Dead log.

Specimens examined:

Costa Rica, San José, Rancho Redondo, Alt. 2200m. Dodge & Thomas 5118

Psathyrella

Pileus hemispheric, 2.5 cm., velvety pruinose, deep olive buff
margin appendiculate, gills adnate, black, broad, close
stipe pruinose, 12-15 cm. X 2mm., cartilaginous

~~in~~

In soil in maize field,

Costa Rica, San José prov., Guayabillos, 2200 m. 7 -13-36
Dodge & Goerger

Lactarius [illegible]
Lactarius [illegible]

Pileus [illegible], 1.5 cm., [illegible], [illegible] buff

Gills [illegible], [illegible], [illegible], [illegible]

Stipe silky, fibrillose, [illegible], ochraceous buff

In soil

Costa Rica, San José Prov., Rancho Redondo, [illegible] 7-13-36

Dodge & Goerger

Psathyrella

Pileus expanded campanulate, 18 mm between wood brown and drab disc cinnamon slightly velvety, margin slightly striate, flesh cery thin; gills adnexed, hair brown subventricose; stipe slender silky whitish 5 cm x 2 mm, black spored.

Roadside

Specimens examined:

Costa Rica: San Jose, Rancho Redondo 2350 m Dodge & Thomas 4997

Black Mycena?

Psathyrella

Pileus expanded campanulate 13 mm margins striate, disc ochraceous buffmargins lighter; membranous; gills adnate, distant, black stipe 2.5 cm x 2 mm above tapering to 1.2 mm below

On horse dung

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2200m Dodge& Thomas 5085

Psathyrella

Pileus campanulate 2.5 cm diam, 2 cm tall; deeply striate, slightly yellower than avellaneous; gills adnate broad, medium d istance, black with white edges; stipe slender, fragile, smooth, concolor or lighter, more than 15 cm x 1-2 mm

Decaying leaves in jungle

Costa Rica: Puntarenas Osa, Estero Sandal o 10 m. Dodge 7694,7736;

?Puerto Jimenez, Dodge 7689

Psilocybe

Pileus white, 2 cm. diameter # 1.2 cm. high, campanulate, nitid, margin not striate nor appendiculate, incurved; gills close, broad with white edges, adnexed; stipe smooth, white, cartilaginous, hollow, 8 cm # 3-4 mm.

Specimens examined:

Costa Rica, Limon, Farm Indiana 1, potrero east of Research Laboratory Siquirres, Alt. 70m, Dodge 5529

Purple-brown Collybia

Psilocybe

Pileus expanded gibbous up to 14 mm, surface pale buff minutely velvety, disc zinc orange; flesh thin white; lamellae purple b brown, sinuate adnate, ventricose close; stipe cartilaginous tapering downward, silky, concolor with the pileus

Decayingwood

Specimens examined:

Costa Rica: ~~Xxx~~ Cartago: northwest slope Cerro Carpintera, Dodge, Dodge, & Thomas 4733

Collybia, purple brown

Psilocybe
Psathyra

Pileus 2 cm, expanded, disc umbillicate, honey yellow shading to olive lake with old gold margins; flesh thin, gills sepai sinuate adnate, ventricose, crowded; stipe cartilaginous silky, wax yellow, 1.5 cm x 2 mm.

Quite common about Rancho Redondo but usually already riddled by insects.

Specimens examined:

Costa Rica: San Jose, Rancho redondo ~~2300~~ 2350-2350, Dodge & Thomas 5102, 5386, 5106

Psathyra
Psilocybe

Pileus 7 mm expanded, tilleul buff, margin inrolled, smooth; gills adnate, wood brown, narrow, crowded; stipe 2 cm x 1 mm tilleul buff, shining

decaying liana in virgin forest

Costa Rica:Limon, Waldeck, 40m, Dodge 7278

Psilocybe
~~Collybia, Purple-spored~~

Pileus campanulate, expanded, disc meruloid, surface buff, margin not striate, dry, minutely tomentose, flesh thin; gills adnate, close between, pinkish & fuscous; spores in print pinkish when only a few; purplish-brown in mass; stipe

Decaying wood.

Specimens examined:

Costa Rica, Cartago, Tres Rios, Alt. 1300, Dodge & Thomas 4736 [C.]

Psilocybe

~~Collybia, Purple-spored~~

Close to ~~8~~ 4736 but larger, 4 cm. diameter, meruloid, portion of cap ochraceous-buff to ochraceous-orange, rest of cap light ochraceous-buff; stipe ochraceous-orange or darker, 2 cm. long.

Rotten wood.

Dodge & Goerger #7 similar but larger pileus up to 4.5 cm stipe 4 mm X 4 cm.

Specimens examined:

Costa Rica, Cartago, La Carpintera, Alt. 1300-1540, Dodge & Thomas 4732

S. José, Quayabellos 2300 m Dodge & Goerger July 7

Psilocybe

Pileus striate sulcate, expanded, conic, 4 cm disc chestnut brown, rest avellaneous; gills adnate, ventricose, close deep avellaneous; stem fragile cartilaginous, hollow, white stained brownish where handled, 8 cm x 2.5-3 mm

Specimens examined

Costa Rica:San Jose Rancho Redondo 2150-2400m BDodge &Thomas 5082

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Psilocybe

Pileus conic, expanded up to 2cm., raw umber or darker, hygrophanous with lighter disc which is very gibbous, subreticulate; margin striate; flesh thin; gills adnate subdeliquescent?, close of medium breadth, darker than auburn; stipe slender, silky, whitish, 2.5cm X 2mm in diameter

Stump by roadside

Costa Rica: San José Province, Rancho Redondo 2230-2350m.,

Dodge & Thomas 4986

Psilocybe
~~Collybia, Purple-spored~~

Pileus hemispheric, striate up to 3 cm. diameter, cream - buff to chamois with honey-yellow center, margin irregular, lacerate unrolled; flesh very thin; gills, narrow, crowded becoming avellaneous in old specimens, adnate; stipe slender, silky, 4 cm. long # 3 mm. diam.

Mossy bank

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m Dodge & Thomas 4984

verify spore color.

Psilocybe
Psathyra

Pileus expanded 4.5 cm, margin splitting, hygrophanous, surface minutely tomentose, flesh thin; gills pink, narrow crowded, adnate stipe slender, cartilaginous hollow white silky without, more than 5 cm long 4 mm diam

Decayingwood in forest

Specimens examined:

Costa Rica: Cartago, N.w. slope of Cerro Carpintera 1600m Dodge & Thomas 4811

Psilocybe
Psathyra

Pileus hygrophanous, 2-3 cm, varying from buff to chalky white on the dry portion over the disc, fuscous on moist margins expanded with margins sometimes upturned slightly, splitting radially, broadly umbonate; fleshthin except on disc; gills adnate, close thick, stipe cartilaginous, hollow, dark buffy brown outside white within 2 cm x 3mm silky whitish, spores purple brown

On dead fence posts

Specimens examined

Cartago: Tres Rios Dodge, Dodge, & Thomas 4723

Psathyra

Psilocybe

Pileus expanded, hygrophanous, disc buff, smooth, margin substriate, dirty white; gills adnate, purple-brown, close; stipe hollow, cartilaginous, white, silky with a few brown, reticulate hairs.

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 180m., Catt, Dodge & Thomas 5593

Russula

(Painting C x $\frac{4}{3}$)

Pileus 4 cm. diam.,irregular,disc,warm-buff,rest maculate of buffsm vinaceous & drabs, and even a little pink flesh, thick, white, taste,mild,pellicle, not easily separable, surface dull, dry;gills narrow,crowded,adnate,white;stipe white,subsulcate, 5.5 cm. # 4-15 mm.,fleshy-spongy.

Specimens examined:

Costa Rica, San Jose? Finca Santa Rosa, Alt.2580 m.,Lodge & Thomas 5219

Russulae

Pileus 2 cm. expanded, disc depressed, Prouts brown, margin striate, sulcate to disc., warm buff, pellicle not seperable; flesh thin; taste very slightly & slowly acrid; gills broad, close, white, stained brownish; stipe ventricose to subfusiform, 2.5 cm. # 4 mm. above, 7 mm. middle, 5 mm., below white, staining Saccardo's umber on handling.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2300-2400m, Dodge & Thomas 5146

Russula.

Pileus 3 cm., slightly depressed, Isabella color, floccose, verrucose on disc, chamois smooth on margin, over the striations, pellicle somewhat separable; taste somewhat acrid; flesh thin; gills somewhat close, not forked, cream-color; stipe thin at top, quickly larger and then equal, delicately cottony, tomentose, white, becoming light chamois where wounded. 25 cm. # 4-7 mm. ?

On ground in potrero.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250 m., Dodge & Thomas 5150

Russula

Pileus 2.7 cm, very viscid, dresden brown to mummy brown, expanded, quite deeply umbilicate; gills cream color, close, adnate, broad; stipe tapering upward, 20 x 5-6 mm, white, staining brownish when handled; surface subreticulate pruinose

In soil in deep jungle.

Specimens examined:

Costa Rica: Heredia, Cerro Central de Zurqui 1620 m. Dodge, Valerio and Thomas 6130

Russula

Pileilarge, old, distorted about 18 cm diam, black rimose areolate ondisc, smoothto margin, flesh thick, now sorghum brown; gills thick, fragile, adnate, white with black edge, subdistant, darkening; stipe smooth, sorghum brown 5 cm long 5.5 cm thick

Grassy hillside under quercus

Specimens examined

Costa Rica: San Jose, Rancho Redondo, Dodge & Thomas 2250 m

Russula.

Pileus 8 cm. very old, flat, deeply umbilicate, surface, dull black not rimose, somewhat insect-eaten; gills probably cream-color, but now dark-grayish; stipe broken off, but portion remaining is blackish; ~~pileus 8 cm.~~ stipe, 16 mm. diam. above.

Grassy hillside under Quercus [illegible] m.

Pileus 14 cm expanded nearly flat, umbilicate surface cracked when moist dresden brown or lighter especially on disc, [illegible]

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250 m., Dodge & Thomas 5245

Russula

Pileus viscid, 4 cm.,expanded, verrucose on disc, dark Mars brown, shading to hazel & russet, long striate, sulcate margins, pellicle not separable;flesh thick, now russet (incipient decay) taste slowly acrid; gills close, narrow, pale ochraceous-salmon, discoloring to grayish- lavender; spores cream-color; stipe pale ochraceous-salmon, discoloring to russet where handled, tapering upward, 3.5 cm. # 6-8 mm.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2300-2400 m., Dodge & Thomas 5144

Russula

(Painting A)

Pileus hemispheric, Indian red when young becoming expanded, umbilicate, slightly viscid when young, become dry, subfibrous , margin smooth, deep vinaceous-lavender & dusky-drab, 4.5 cm. diam; flesh thick, white, taste farinaceous, pellicle separable; gills narrow, crowded, white, adnate; stipe white, tinged with pink, 2.5 cm. # 8mm., smooth.

Mossy bank by roadside.

Specimens examined:

Costa Rica, San Jose? Santa Rosa Finca, Alt. 2580 m., Dodge& Thomas 5238

Russula

Plant much distorted by position in which it developed, but probably plane with slight depression over disc, about 7cm. diameter, dry(but perhaps viscid when younger) pellicle not separable, margin faintly striate, sulcate, irregularly colored, varying from light russet-vinaceous to Hays brown & vinaceous-tawny; flesh medium, slightly acrid; gills close, narrow, slightly cream-color; stipe short thick, sulcate, striate, light pinkish-lilac, slightly stained with tawny where handled, 4 # 1.5 cm.

Grassy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 23-2400m., Dodge & Thomas 5055

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Russula

Pilei ~~x~~ 6 cm diam, slightly depressed over disc, probably viscid now ~~xxx~~ glabrous margin only faintly striate, diamine brown, somewhat maculate with lighter and darker areas, pellicle not separable; flesh white, thin, taste mild agreeable; stipe white, fibrous, smooth, 2 cm x 16 mm

Grassy hillside under Quercus

Specimens examined

Costa Rica: San Jose, Rancho Redondo, 2250 m, Dodge & Thomas 5404

Russula.

Pileus old, infundibuliform, viscid, 5.5 cm. diam., margin rugose, sulcate, striate, buckthorn-brown, pellicle separable; flesh thin, except on disc; gills close cream, fragile, discoloring slightly on age or drying; stipe insect eaten & fragile, whitish, at least 2.5 cm # 8.5 mm.

Grassy hillside under Quercus.

Same locality July 11, pileus 4.5 cm. stipe 4 cm x 1 cm. white staining grayish where handled, tapering more abruptly in last cm to 6.5 mm. gills nearly white disc dresden brown shading lighter to margin

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250m,, Dodge & Thomas 5149

Russula

Pileus 1.7 mm. diameter, viscid, disc depressed, buckthorn-brown, margin conspicuously sulcate, striate to disc, warm-buff; gills close, narrow, cream-color; stipe long 25#4 mm., white, fibrillose, lacunose, pellicle separable, taste slowly very acrid.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 25-2400 m., Dodge & Thomas 5145

Russula.

Pileus expanded, 2.2 cm.,conspicuously striate,sulcate to disc,viscid, disc old gold, rest cream - color, pellicle not separable? flesh thin? wormy; gills white, medium width & distance; stipe white, slightly striate, 2 cm. # 3mm.,darkening (handling on decay?); no spores fell; plants very much infested by larvae, when collected.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo,Alt. 23-2400 m.,Rancho Redondo. Dodge & Thomas 5148

Russula.

Old specimen, disc buff, viscid, fleshy margin thin, striate; gills white or very light cream-color.

Grassy hillside under Quercus.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt. 2250 m., Dodge & Thomas. 5147

Russula.

Pileus flat, viscid, pellicle separable, margin striate, sulcate, purplish, when old, mostly citrinedrab and deep-olive, spotted; gills broad, white, not forked or only at stipe, close; stipe white, pruinose, 5 # 1.5 cm. probably soft, spongy within; whole plant old and much riddled by insects within; taste mild, spores white.

Mossy bank.

Specimens collected:

Costa Rica, San Jose, Rancho Redondo, Alt. 23-2400m., Dodge & Thomas 5052

Russula

Pileus expanded, inrolled when young, up to 3.5 cm diam, disc cinnamon buff to clay color ~~xxxxxx~~ rest liver brown, dry, pellicle separable, margin smooth, not striate; fl sh medium to thick, taste farinaceous; gills narrow, crowded pale,yellow, ~~xxx~~ adnate, forking dichotomously, stipe 2.5 cm x 7-9 mm, tapering upward, white but with dirt adhering in places

roadside in cafetal

Specimens examined

Costa Rica: Guanacaste, H. Granadilla above Libano Dodge & Thomas 6629

Russula.

Pileus flat,slightly depressed,over umbo pellicle separable, viscid, 4.5 cm. diam., vinaceous-lilac to dull Indian purple,drying dull,slightly rugose, margin not striate;flesh thick, white; gills very narrow, white, close, forked only at stipe;taste mild,slightly "mouldy";stipe white, smooth, unchanging, tapering upward, 3.5 cm.# 9-11 mm.,spores white.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.23-2400 m.,Dodge & Thomas 5032

Russula

(Painting B)

Pileus expanded, irregular, 3 cm. diam., velvety, pruinose, alizarin pink to old rose maculate with ochraeous, flesh white, thick; taste mild; pellicle not separable; gills narrow, close, adnate, white when seen singly, but light cream from slightly darker edges; stipe slightly pinkish, but becoming warm-buff or darker where handled, subbulbous below, 2.5 cm., 7-14 mm.

Specimens examined:

Costa Rica, San Jose? Santa Rosa, Alt. 2580 m., Dodge & Thomas 5247

Russula

Pileus broken but probably 7-8 cm. diam. upper surface rough, fibrillose as in Lacterius,no pellicle,almost infundibuliform, dirty-whitish;flesh white, thin; taste mild;gills close, narrow white;stipe white,solid, 3#2.1 cm.

Grassy hillside. under Quercus.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.2250 m., Dodge & Thomas 5034

Russul[illegible]

Pileus not [illegible]oll, [illegible], [illegible]licle [illegible]oid, easily [illegible]ble, bi[illegible]ter;
Gills white, still covered with [illegible]ery veil, broad, close
Stipe fleshy, white, solid, lightly cottony, tomentose

On log in [illegible]nanal

Costa Rica, Puntarenas [illegible]rov., R. P[illegible]quita, 5m. 3-14-36
Dodge & Goerger

Russula

Pileus 3cm., convexed, umbilicate, disc slightly floccose, scaly, cinnamon buff shading to white, narrow white margin, slightly viscid pellicle, not easily separable, flesh thin, taste mild then nauseous with a trace of acrid

Gills white, adnate to slightly decurrent, subdistant

Stipe white, slightly stained or brownish below, 3.5cm X 5mm, above expanding to 7.5mm. below

On sandy bank in forest along pathway

Costa Rica, San José prov., Guayabillos, 2300m. 7-7-36

Dodge & Goerger

Russula

Pileus expanded, center depressed, 4.5 cm., moist but not viscid, disc mottled hazel and lighter shading to sea shell pink margins which are deeply sulcate, striate, subrugose, margin slightly inrolled
Gills white, close, adnate, of even width
Stipe white, 4cm. x 8-12mm., ventricose, tapering upward abruptly. Base of stipe broken, very wormy

Costa Rica, San José prov., Guayabillos, S. potrero, 2250m, 7-11-36
Dodge & Goerger

Russula

Tricholoma ?

Pileus irreg, campanulate (expanded, too worm for certain det.) 9cm. diam., hygrophanous, variegated, sayal brown to bister, mostly latter, smooth, margin, very irregular, crisped and undulate, flesh eaten away
Gills watery, white, irregularly veruloid between, subdistant, ventricose, attachment eaten away
Stipe silky fibrillose, white, 8 cm. tall, 3,5 cm. in diam. tapering upward to 2.5 cm.

Edge of forest in leaf mould

Costa Rica, San José prov., Guayabillos, quebrada at 2300m. 7-7-36
Dodge & Goerger

Russula near 5150

Pileus expanded, center depressed, not viscid, dry, pellicle separable, 3.5 cm., mottled lighter on disc, isabella color, taste mild

Gills adnate, crowded, white, staining brownish, narrow

Stipe stout, tapering upward, 3cm. × 11-15mm., white staining brownish

Were handled

On soil

Costa Rica, San José prov, Guayabillos (S. potrero) 7-11-56

Dodge & Goerger

Tricholoma near [illegible]

Armillaria

Pileus 5cm., margin elevated, broad infundibuliform, surface faintly velvety, tomentose, tawny shading to [illegible] buff margin, irregular hygrophanous; flesh thin except on disc,

Gills subdistant, ventricose, cream buff

Stipe water soaked, apparently solid (center not irregularly eaten out by insects) 5cm. x 7mm., hygrophanous, smooth but surface [illegible] suggesting ring about [illegible], [illegible].

In soil

Costa Rica, Limón prov., Castillo farm, 20m. 8-20-36

Dodge & Stringer

Tricholoma

Pileus 3.5cm. with margins elevated, crisped & irregular; surface tomentose strigose, with tendency to pyramidal scales at margin, light ochraceous salmon; flesh light buff

Gills close, sinuate, adnate, broad, warm buff to light buff

Stipe fleshy, 2cm. x 8mm., cottony, white, staining hazel where handled, hollow, stuffed, cut surface appearing water soaked and cartilaginous layer 1mm. thick under gills and tomentum of stipe

In soil

Costa Rica, Limón prov., Castilla farm, 20m. 8-29-36

Dodge & Goerger

Tricholoma
cf. subisabellinum

Pileus broadly umbonate, expanded, 3.7-5.7 cm. in diameter, moist velvety, on disc dark olive to deep olive buff at lacerate margin fills white, minute to slightly decurrent, toothed, broad, subdistant, somewhat thick, crimped

Stipe 7mm., white, fibrillose, pulsc ly above, smooth below, 10cm. long in large specimens [5mm. x 4cm. in smaller which is more or less dark olive, cortinate nearly to apex]

In leaf mould under clusqueo, Quebrada

Costa Rica, San José prov., Guayabillos, 2300m. 8-7-36

Dodge & Goerger

Tricholoma j l[illegible]sis group

Pileus conical, 1cm. diameter, 3cm. high, umbonate, smooth, innate fibrillose, red-brown, darker in disc; margin l ceeate coarsely, slightly inroll.

Gills sinuate, white, close

Stipe 6cm. x 10mm., even, white, staining brown where bruised, insect eaten

In south potrero

Costa Rica, San José prov., Cuyabillos, 8-11-[illegible]

Dodge & Goerger

Tricholoma subisabellinum

Pileus isabelline to lighter, subconvex, conic, 4-4.5cm. in diameter, 1.5-2cm. high, fibrous, rimose, white, [illegible]; margin irregularly undulate, crinkled; flesh very thin, white, moist.

Gills broad ventricose, sinuate, moderately close, one or two long isabelline.

Stipe white, smooth, 6cm. x 6cm.

In soil under small hardwoods

Costa Rica, San José prov., Quepebillo, 2300m. 8-2-38

Dodge & Goerger

Tricholoma

Pileus 5.1cm., [illegible] t [illegible]en, [illegible]y irregul r, surface [illegible]
deeply to [illegible], splitting into [illegible] but not [illegible], flesh, [illegible],
[illegible]

Gills sinuate, [illegible]te, close, broad, cream buff

Stipe 3cm. x 6 [illegible], fleshy, fibrillose, surface hygro[illegible]ous, cream buff

In soil

Costa Rica, Limón prov., Cr till farm,

Dodge & Goerger

? Tricholoma

? Clitocybe

Pileus depressed, 6 cm. diamter,margin striate, sulcate as in R
cate as in Russula, moist, subviscid, lighter on disc, pellicle separable, except on disc, snuff-brownn on disc, warm-sepia; flesh warm-buff, watery edges; gills ventricose, sinuate, adnate, onionskin pink to light vinaceous-cinnamon; stipe fleshy, 3.5 cm. # 7 mm., subbulbous; annulus 4 mm. below gills which are decurrent by line to this point.

Mossy bank.

Specimens examined:

Costa Rica, San Jose, Rancho Redondo, Alt.23-2400 m., Dodge & Thomas 5025

Tricholoma
of Hygroph (Entoloms)

Pileus to 6 cm., viscid within striate margins with floccose patches of universal veil still clinging to pileus; gills broad, sinuate, adnatesubdistant, white; stipe white, silky, 3-4 cm # 4 mm., ending in large bulbous base.

On dead log.

Paquita Hill specimen smaller 3 cm dirty white viscid from remains of brownish veil flat bulb fusiform 5 mm in diam. rooting base broken

Specimens examined:

Costa Rica, Limon, above Rio Siquirres, Alt. 140-200m., Catt, Dodge & Thomas 5514

Pan San José.

Paquita Hill 15 m. Dodge + Goerger Aug 15

Tricholoma
Russula

Pileus expanded very fragile, splitting, 8 cm. diam., white with brownish disc, 3 cm. diameter; flesh thin, white, margin striate, sulcate, pellicle separable; taste mild; gills crowded, narrow, forking only next stipe, white or slightly cream; stipe spongy, 5 cm. long 2.5 cm. diameter, surface fibrouse, striate, subreticulate, white not changing on wounding.

Woods.

Specimens examined:

Costa Rica, Cartago, N.W. slope La Carpintera, Alt. 1650 m., Dodge & Thomas 4808

Tricholoma nearest T. jalapensis?-Murr.

an Amanitopsis. (See painting)

Pileus hemispherical to plane with slight umbilicus, slightly viscid, margin striate, sulcate, black on disc, lighter toward margin; flesh very thin andwhite; gills narrow, crowded, adanate, altho easily breaking away from stipe; stipe white, tapering downward completely, silky, scaly, no trace of annulus, cottony, stuffed, hollow, fleshy, not cartilaginous, closely suggest- very dark Amanitopsisi, but no volva found. Since whole plant very fragile, lower end of stipe broken, and volva searched for

In dense jungle near banana trail.

~~Guayabillos specimens conical 4cm x 2cm high, umbo~~

Specimens examined:

Costa Rica, Cartago, Pejivalle, Alt. 650-800, Dodge & Thomas 4478

Specimens examined:

rer

rro
wit

Cos

------7316

Pileus upto 3 cm, margin grisped, scalloped, flabelliform to reniform, minutely tomentose vinaceous buff; gills purple brown, na rrow, close decurrent along pointof attachment which is lateral with no indication of a stipe.

On decaying palmito (Euterpe)

Costa Rica: Limon, Los Negritos 20 m, Dodge 7316

Polyporaceae. Pore.

Pileus expanded 13 cm., irregularly fibrillose flesh thin [illegible] broad slightly umbo, disc velvet, fibrillose [illegible] umber, pinkish buff shading toward margin gills free broad pink [illegible] stipe 12 cm. long, above 1.5 cm., at first [illegible] fleshy [illegible] annulus [illegible] free loose 2 cm. long stipe white [illegible] brown [illegible] handled.

On decaying [illegible] stump after felling.

Costa Rica Limon Prov. Castilla 20 M 7-27-[illegible]

Dodge & Goerger

Context white.
  Hymenophore sessile
    Tubes mostly shallow, early irpiciform; margin cirrhose;
      Pileus glabrous; 2 mm. thick. — Irpiciporus cubensis
    Tubes hexagonal, alveolar; context, thin, dry, sessile. — Hexagonia.
      Pileus less than 1 cm. thick, zonate.
        Surface with white and light-brown zones. H. tenuis incl. H. polygrammna., H. cingulata, similis, unicolor, favoloides.
        Surface with dark-brown and purple zones H. variegatus, incl H. papyracia.
      Pileus 2-3cmm.; surface azonate — H. leprosus.
    Tubes hexagonal, elongate radially; context thin — Favolus
      Pileus white or nearly so
        Surface not tomentose; pileus flabelliform; stipe distinct, sometimes as long as the pileus — ~~Favolus~~
          Stipe 5-10 mm diameter
            Tubes 1 mm. long — F. princeps.
            Tubes 3-6 mm. long — F. pseudoprinceps.
          Stipe 1-3 mm diameter
            Pileus 3 cm. or less; tubes flesh color; 2 mm. wide — F. Maxoni
            Pileus 4 cm. or more
              Margin entire, often pellucid. — F. daedalea.
              Margin ciliate or denticulate
                Surface minutely checkered — F. tessellatula
                Surface not minutely checkered — F. fragilis.
        Surface tomentose
          Context thin, translucent — F. reniformis 7222 RS.
          Context thick, opaque
            Surface tessellate; stipe distinct — F. subcaperata.
            Surface not tessellate; stipe mere tubercle. — F. caperata.
      Pileus purple; stipe lateral or excentric;
        Pileus subcircular; stipe excentric; tubes 2.5 mm. long. — F. subpurpurascens.
      Pileus brown; stipe central.
        Margin entire — F. portoricensis.
        Margin ciliate — F. hondurensis.
    Tubes regularly hexagonal
      Pileus purple — F. induratus.
      Pileus yellow or brown
        Tubes meruloid — F. brunneolus
        Tubes normal length — F. cucullata.
    Tubes normally poroid — Polyporus sensulatiore.
      Pileus very soft, spongy, and elastic throughout
        Hymenophore small; tubes large, not fragile — Spongiporus altocedroneum.
        Hymenophore immense; tubes small,

fragile when dry. — P.(Tomophagus)colossus Fr.
Pileus firm,flexible or rigid;
Context duplex,spongy above — Spongipellis
Pileus more than 1 cm. thick;tubes large,1-2 per mm.;dark not resinous. — S.luridescens.
Pileus less than 1 cm. small
Pileus 5 cm. or less broad — S.hydrophilus
Pileus 4-7 cm. broad;surface very hairy. — S.substuppeus.
Context not duplex
Pileus fleshy,tough to woody & rigid
Surface anoderm,rarely zonate
Hymenium smoke-colored, when young,becoming black
Tubes white;mouths black — Palbostygia (Bjerkandera)
Hymenium pallid,becoming blackish. — P.Cuba
Pileus 5 cm. more or less — P.terebrans
Pileus 10-20 cm. — P.subsimulans.
Hymenium white or palllid
Context fleshy-tough, friable when dry. — Tyromyces.
Pileus 8 cm. or more diam.
Tubes less than 5 cm.; pileus 3-5 mm. thick
Tubes firm,entire — T.palmarum.
Tubes more than 5 cm. ± long;surface smooth; pileus white;spores ellipsoidal — T.nivosellus.
Pileus under 5 cm.
Pileus resinous or cartilaginous3-4 cm. thick;tubes 6 per mm. — T. versicutus.
Pileus not resinous, etc.
Pileus milk-white, unchanging,very soft & friable — T.leucomallus
Pileus somewhat brownish,not very friable.
Tubes 3-4 mm. long, longer than thickness of thin context. — T.albogilvus.
Tubes short-thickness of context.

Context punky to corky, not friable when dry
Trametes
Pileus context punky, soft
Surface entirely white, pileus small less than 5 cm. T. nivosa
Surface partly brown or red, especially behind T. cubensis
Contexte corky, rather firm
Pileus effused reflexed, surface more or less murinous T. submurina
Pileus normally expanded, white or yellowish pileus 5 cm broad
Context 5 mm thick T. havannensis
Context 2-3 cm thick T.lignea
Surface pelliculose
Plants large, more than 5 cm in diam; hymenium flesh colored Earliella corrugata
Plants small 5 cm or less in diam; hymenium white or pallid Rigidoporus
Pileus effused, very narrowly reflexed R.microstomus
Pileus circular, fixed at center R. evolutus
Pileus dimidiate or flabellate, sometimes decurrent
Tubes very short 0.5-1.5 mm long
Pileus latericious to bay with isabelline lines tubes 6-7 per mm R. substereinus
Pileus bay to blackish; tubes 10 per mm R. Liebmanni
Tubes slender 2-4 mm long
Edges very obtuse R. contrarius
Edges thin R. surinamensis
Pileus thin, leathery and more or less flexible, surface usually zonate; pileate, tubes small and regular Coriolus
Tubes nore or less entire, at least until sporophore is quite old
Surface of pileus wholly or partly glabrous or clothed only with inconspicuous hairs
Pileus not entirely glabrous at maturity
Pileus marked with glabrous zones of different color from rest of the surface
Glabrous zones broad,conspicu C.versicolor
Glabrous zones small and inconspicuous surface pubescent or tomentose between zones hymenium fuscous C. sector
Pileus nearly uniform in color,rarely shining
Semiresupinate, narrowly reflexed, tubes less that 1 cm C.depauperatus
Pileate
Surface entirely devoid of zones C.pallidofulvellus
Surface somewhat zonate; white, margin fertile C. delectans
Pileus entirely glabrous surface with brown and tawny zones C. armeniacolor
Surface white to isabelline
Hymenium lilac-color, fading in herb. C. brachypus

Hymenium white or yellowish
Margin of pileus entire or lobed, not lacerate
Pileus less than 1 mm flexible
C.haedinus
Pileus thicker
White throughout even in dried material
C. substipitatus
White or yellowish rarely tinged bay behind tubes yellowish or tawny
Context fibrous, 1 mm, tubes 7-8 per mm
C. hondurensis
Context fleshy tough 1-3 mm;tubes 4-5 per mm pileus brittle when dry
C. ochrotinctellus
Isabelline fulvous, hymenium fulvous; sur-smooth C. leiodermus
Margin lacerate tubes 4-6 per mm
C. membranaceus
Surface of pileus clothed entirely with a conspicuous hairy covering
Hymenium wholly or partly fuscous;tubes broad and shallow
Latericious fulvous except near margin
C.fulvoumbrinus
White to cinereous or isabelline, tubes regular
C. pinsitus
Hymenium not fuscous white or slightly discolored
More or less purple, marked with a few concentric lines C. scutatus
White to cinereous with numerous concentric lines
C. pavonius
Tubes soon breaking up intoirpiciform teeth
Pileus 10-20 cm, surface fibrillose tomentose
C.maximus
Pileus smaller, 1 cm or less, very thin
Pileus flabelliform, glabrous C. sobrius
Pileus subcampanulate, pendulous, erumpent, finely tomentose C. cyphelloides
Hymenophore stipitate, tough, stipe simple, epixylous
Tubes large, hexagonal, radially elongate Favolus
Pileus white or n arly so
Not distinctly tomentose, flabelliform, stipe usually distinct
Stipe 5-10 mm in diam
Tubes 1 mmiin length F.princeps
Tubes 3-6 mm in length F. pseudoprinceps
Stipe 1-3 mm diam
Pileus 3 cm or less in diam
Tubes flesh colored 2 mm wide F. Maxoni
Tubes pallid, 1 mm wide F. floridana
Pileus 4 cm or more in diam
Margin entire, often pellucid F. daedalea
Margin ciliate or denticulate
Surface minutely tessellate F. tessulatula
Surface not tessellate F. fragilis

Surface distinctly tomentose
Context thin, translucent — F. reniformis
Context thick, opaque
Surface tessellate; stipe distinct — F. subcaperata
Surface not tessellate; stipe a mere tubercle — F. caperata
Pile8s purple or brown
Stipe ~~xxxxxxxx~~ eccentric; tubes 2.5 mm long; pileus subcircular — F. subpurpurascens
Stipe lateral; tubes 1.5 mm long; pileus spatulate — F. purpurascens
Stipe central
Margin entire — F. portoricensis
Margin ciliate — F. hondurensis
Tubes regularly hexagonal — Hexagona
Pileus purple — H. indurata
Pileus yellow or brown
Tubes merulioid — H. brunneola
Tubes of normal length — H. cucullata
Tubes circular or if angular, not regularly hexagonal
Surface zonate — Microporellus
Pileus white or pale brown, unchanging
Tubes entire — M. dealbatus
Tubes lacerate — M. unguicularis
Pileus ochraceous or sordid becoming bay or black with age or on drying
Pileus ochraceous becoming bay — M. porphyritis
Pileus sordid becoming black — M. holotephrus
Surface not zonate — Polyporus (sensu stricto)
Stipe pallid or light brown, central, not darker than pileus
Margin not ciliate
Pileus with hydnoid processes near margin — P. hydniceps
Pileus villous, tomentose or scabrous, becoming glabrous in age, dissepiments dentate
Pileus scabrous, irregular, umbrinous, margin involute stipe scabrous, tubes small 4 per mm, ~~xxxxxxxxxxxx~~ — P. scabriceps
Pileus villous or tomentosevi rgate from rupture of cuticle; tubes 2 per mm, decurrent — P. virgatus
Pileus minutely tomentose or glabrous from the first
Sporophore goblet shape, pileus less than 3 cm broad, shallowly depressed at center, stipe long, striate, expanding into pileus — P. tubaeformis
Sporophore trumpet shaped, pileus 5-10 cm, deeply infundibuliform; stipe 3 cm, pallid, pulverulent — P. cantharellus
Sporophore not as above
Pileus 2 cm in diam, umbilicate, margin involute, tubes alveolar — P. lacicula
Pileus 10 cm or more, surface umbrinous, stipe hispid — P. discoideus
Pileus 2-5 cm, white, context white, 1 mm or less thick, stipe central — P. obolus
Margin of pileus ciliate, disappearing in age
Tubes alveolar, margin of pileus finely hispid, broadly sterile below, surface ochre, radiate striate; stipe brown pulverulent — P. ceruleus

Tubes not alveolar
Tubes very irregular, [illegible] usually [illegible] lobed,
pileus umbilicate, hard, yellowish white with brown
margin 5 mm, cilia short, long cirrus
F. [illegible] cirrus
Tubes regular; stipe tenacious, not [illegible] lobed; pileus [illegible]
delicate, cilia variable in form and persistence
Pileus opaque, not translucent, 1-4 cm, cilia long, of uncertain
function; mostly cespitose F. [illegible]
Pileus very thin, one or less [illegible] translucent, 1-[illegible] cm, cilia [illegible]
short, [illegible] fuscous; plants not cespitose
F. Cornellii
Stipe usually black or fuliginous, variously [illegible], usually
darker than the pileus
Pileus finely tomentose, dark colored, [illegible] reddish brown [illegible] spots
small, circular, tubes rounded, [illegible]
Pileus not [illegible] F. [illegible]
Tubes 0.5-1 mm
Stipe less than 1 cm, pileus small
F. [illegible]
Stipe usually very long, 1-15 cm, pileus sometimes aborted,
resembling [illegible] Auricularia F. [illegible]
Tubes much smaller, 4-10 to [illegible] mm.
Pileus 15-25 cm in diam., white or [illegible]
F. [illegible]
Pileus small this size
Surface light colored, [illegible] to [illegible]
stipe lateral F. [illegible]
Surface bright [illegible] to [illegible] black
Stipe central, pileus [illegible], surface
glabrous F. [illegible]
Stipe horizontal, lateral or excentric, 0.5-1 cm long
pileus 3-10 cm in diam.
Surface glabrous F. [illegible]
Surface [illegible] with [illegible] of [illegible] black [illegible]
F. [illegible]

Content bright yellow or red
Hymenophore distinctly stipitate, content yellow
Thelephora [illegible]
Hymenophore sessile or subsessile
Spores yellow, content thin Flavidoporellus [illegible]
Spores red, content firm, tubes firm, regular, unchanging on drying;
surface pelliculose Lycoperdus [illegible]
Content brown
Hymenophore stipitate, spores brown Coltricia [illegible]
Hymenophore sessile
Spores hyaline
Content light brown, tough, not encrusted
Surface glabrous or nearly so
Pileus less than 1 cm thick Nevolus
Surface marked with white and light brown zones
F. tenuis
Surface variegated with dark brown and purple zones
F. ~~[illegible]~~ variegatus
Pileus 2-3 cm thick, surface azonate
F. leprosus
Pileus poroid Haploporus lignoides
Surface distinctly hairy Coriolopsis
Tubes small and regular Coriolopsis

Pileus isabelline to fulvous — Coriolopsis
Pores inconspicuous; pileus papery-thin, very soft and flexible — C. crocata
Pores conspicuous
Hymenium isabelline; pileus thick and firm — C. occidentalis
Hymenium whitish or grayish, at least until maturity
Pileus thin, 1-3 mm, flexible often narrowly reflexed or wholly resupinate
Surface and hymenium whitish to isabelline — C. rigida
Surface isabelline to fulvous or whitish cinereous
Hymenium murinous to umbrinous — C. fulvocinerea
Pileus wholly or partly darker than tawny, usually bay-brown or blackish
Context isabelline
Surface finely tomentose to scabrous — C. Taylori
Surface densely clothed with long cirriform hairs — C. cirrifer
Context umbrinous-chestnut
Pileus effused, narrowly reflexed
Tubes large, 2 per mm, cinereous — C. vittata
Tubes small, 7-8 per mm, purplish umbrinous — C. vibratilis
Pileus not effused, or if so broadly reflexed
Surface entirely pure black, or slightly fuliginous in narrow zones; hymenium grayish white — C. nigrocinerea
Surface fulvous umbrinous with bay-black zones, or uniformly dark bay
Pileus flexible, tomentose to aculeate — C. caperata
Pileus rigid, tomentose to glabrous, tubes often stratified — C. subglabrescens
Tubes large and irregular — Funalia
Context very thin 1-2 mm
Surface villose, with simple hairs; hymenium pale rose when fresh — F. villosa
Surface strigose, with branched hairs; hymenium pallid to brown — F. cladotricha
Context usually quite thick, 3-15 mm
Surface hispid — F. hispidula
Surface villose or hirsute — F. stuppea
Surface aculeate — F. aculeifer
Context dark brown
Context duplex, mostly of intricately woven black hairs — Trichaptum trichomallum
Context simple, tough
Tubes yellow — Flaviporus crocitinctus
Tubes black — Nigroporus vinosus
Tubes brown, rarely greenish
Tubes soon splitting into teeth — Cerrenella
Pileus 1 mm or less thick, hymenium olivaceous becoming ashy — C. farinacea
Pileus 3-7 mm thick, hymenium chestnut to almost black — C. subcoriacea
Tubes entire

Surface heavily bearded — Pogonomyces hydnoides
Surface not bearded — Coriolopsis (see previous p.)
Spores brown
Hymenophore thin, dry, multizonate — Cycloporellus iodinus
Hymenophore thin, fibrous, to spongy or corky — Inonotus
Sporophore minute, 2 mm, emergent from lenticels — I. pusillus
Sporophore 5-10 cm
Surface conspicuously hairy
Pileus thin, 1-2 mm — I. pertenuis
Pileus thick, 7-20 mm — I fulvomelleus
Surface not conspicuously hairy
Spores deep brown, not zonate, glabrous, hymenium fulvous, tubes 1 cm. — I. jamaicensis
Spores faint brown
Pores invisible to naked eye
Pileus thick, azonate, margin obtuse, hymenium dull — I. corrosus
Pileus thin, zonate, margin very sharp, hymenium glistening — I. Wilsoni
Pores visible to naked yey, sometimes small, hymenium plane, margin blunt, not depressed, surface soft and spongy — I. fruticum

FOMITIAE

Surface of hymenophore covered with reddish brown varnish, context punky or corky — Ganoderma
Sporophore stipitate, rarely varying to sessile
Stipe very long and slender 10-15 cm. — G. praelongum
Stipe short to medium
Surface of pileus narrowly multizonate
Pileus and stipe chestnut, context isabelline — G. perzonatum
Pileus and stipe almost black; context dark tawny — G. subfornicatum
Surface of pileus not narrowly multizonate altho more or less sulcate
Pileus very large 20-50 cm — G. pulverulentum
Pileus not more than 10 cm
Context soon indurate, very hard, margin of pileus usually lobed — G. stipitatum
Context soft and punky, margin not lobed
Surface shining, yellowish red to bay or dark brown, tubes 3-5 m long — G. subincrustatum
Surface not shining, avellaneous to dull castaneous; tubes 5-10m long — G. argillaceum
Sporophore sessile, never truly stipitate
Pileus less than 3 cm broad — G. parvulum
Pileus 8-80 cm broad
Surface scaly and glistening like mica from excess of resin; hymenium white when young — G. nitidum
Surface normally laccate, tuberculose; hymenium cream colored when young — G. tuberculosum

Surface o hymenophore not varnished
Hymenophore stipitate — Amauroderma
Pileus over 3 cm broad; stipe over 5 mm thick
Stipe lateral, ascending -

Stipe less than 5 cm long
Pileus 10 cm or more broad; tubes 5 to mm; [illegible] cespitose
A. coffeatum
Pileus 5 cm or less broad; tubes 8 per mm, [illegible] single
A. regilicolor
Stipe 15 cm. long A. avellaneum
Stipe central, erect
Hymenium white to avellaneous; stipe 15 cm long
A. chapieri
Hymenium rich yellow; stipe less than 10 cm long
A. flavipurum
Pileus 3 cm or less broad; stipe slender, less than 5 mm thick
Context bay A. remotum
Context white to avellaneous
Stipe 2 cm long; pileus orbicular, nodding
A. cutens
Stipe 10 cm. long; pileus reniform, erect
A. subremotum
Hymenophore sessile
Context olivaceous Fomitella
Tubes 5 per mm, 1-3 mm long each season
F. supina
Tubes 1-2 per mm, 3-5 mm long each season
F. fumosoavellanea
Context flesh or wood colored, tubes 3-5 mm each season, spores spheric
Fomes Lagrasnus
Context white or nearly so (yellowish) Fomes
Pileus encrusted, more than 3 cm, surface pure black or nearly so at maturity with no trace of red
Context punky, crust thin, fading in age
F. subferreus
Context woody, crust thick, horny and shining
F. ligneus
Pileus not encrusted, surface concolor with context
Pores large, 2 per mm, reddish when bruised, , [illegible] strata separated by thick layers of context
F. rubritinctus
Pores small, 5-7 per mm, not changing, tubes light brown, strongly contrasted with yellow or white content, 1 cm or more long
Surface zonate F. Auberianus
Surface azonate F. geotropus
Context brown or latericeous Pyronolyporus
Pileus thick, ungulate, context light to dark brown
Surface brown or black or gray, not becoming rimose
hymenium roseocinereous to smoky gray
F. roseocinereus
Hymenium ferruginous to tawny
Context ferruginous, surface dark brown marked with narrow concentric lines; tubes thinwalled, 5 per mm
P. inflexibilis
Context tawny, surface black without lines and more sulcate, tubes thickwalled, 7 per mm. P. Calkinsi
Surface black or nearly so, soon very rimose, all brown spores
Pileus 12 cm or more, margin rounded F. Cedrelae
Pileus smaller, margin regular
Tubes large 3-4 per mm, thin-walled, spores 7-9u, cystidia none
P. Underwoodii
Tubes 5-7 per mm, thickwalled

[illegible] light, soft woody texture
[illegible] F. [illegible] junonensis
Pileus [illegible], [illegible], [illegible], [illegible] [illegible] [illegible],
heavy tough texture F. [illegible]endens
Pileus thin or [illegible], [illegible] to [illegible], never truly [illegible]
Content ferruginous to tawny
Surface soon covered [illegible] thick, [illegible] crust
Tube layers very prominent, tubes stuffed [illegible] hyeglium
F. [illegible]endensis
Tube layers distinct but not prominent, not conspicuously stuffed
Disciplinate thick, [illegible] content, surface not rimose [illegible] F. pseudoserex
Disciplinate thin, [illegible] content, surface rimose P. jamaicensis
Surface smooth or slightly incrusted
Hymenium [illegible] brown, [illegible] long each season, pileus large velvety [illegible] to tawny
F. [illegible]
[illegible] to tawny
Pileus turbinate-[illegible], [illegible] [illegible], [illegible] [illegible],
hyaline 5-7mm-5u, cystidia none
F. [illegible]ochroidis
Pileus [illegible] to [illegible], [illegible] [illegible]
Surface tomentose, soft to tough, tubes short, tawny within
Tubes 3-5 per mm. soon to [illegible] with a silky lustre
F. linteus
Tubes 8-10 per mm., pileus 4-8 cm broad, ~~[illegible]~~
[illegible] below, surface [illegible] conspicuously tomentose F. [illegible]
Surface soon incrusted hard; tubes well [illegible] within, 4-6 mm long each season F. [illegible]
Content yellow (flavus to luteus)
Surface conspicuously fibrose [illegible]
F. [illegible]
Surface inconspicuously tomentose or glabrous
Pileus very large 15-30 cm broad, [illegible] with interlacing lines of lighter color F. [illegible]
Pileus 8-12 cm broad; content homogeneous
Surface almost free from markings; tubes 2-6 mm long each season; on mesquite F. [illegible]linteus
Surface distinctly zonate and [illegible] slowly furrowed; tubes 5-10 mm long each season; on logwood
F. [illegible]
Surface incrusted; content [illegible], sessile, simple or imbricate
Content ferruginous; [illegible] hyaline; pileus compressed [illegible]; pores 5 per mm. [illegible]lfvingia fascicta
Content tawny to bay; spores yellowish brown, pileus [illegible] [illegible] crust brown
Pileus thick [illegible], crust smooth and very hard; hymenium [illegible] margin truncate, very smooth, often [illegible]
[illegible] to [illegible]
Pileus thin, crust radially wrinkled, thinner; hymenium [illegible]; margin undulate, never [illegible] L. Lionnetii

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DAEDALEA

Context white or wood color
  Hymenium labyrinthiform
    Hymenium soon becoming labyrinthiform, pileus minutely fibrillose to glabrous — Cerrena stereoides
    Hymenium rarely becoming irpiciform or then not until maturity — Daedalea
      Tubes 1-several mm in transverse diameter; surface brown or discolored pileus thin applanate, margin thin 15 cm broad — D. gruei
      Tubes less than 0.5 mm transverse diameter; surface white or yellowish pileus thin, flexible, variously shaped usually multizonate — D. ambrositoides
  Hymenium lamellate from the first, never irpiciform — Lenzites
    Surface of pileus conspicuously tomentose, furrows .5-1 mm broad, 2-3 mm deep, anastomosing in front and behind, lamellae often porose, — L. betuliniformis
    Surface of pileus finely pubescent — L. cubensis
    Surface of pileus glabrous — L. Earlei
Context brown — Gloeophyllum
  Hymenium lamelloid from the first, pileus thin, dry, flexible, furrows 1 mm or more broad, margin tomentose — G. striatum
  Hymenium not lamelloid at first often becoming so in age; pileus thicker and more rigid, context fulvous tinted with rhubarb when young furrows 1 mm broad, surface finely tomentose to glabrous — G. Berkeleyi

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